AQUATIC SCIENCES AND FISHERIES INFORMATION SYSTEM

Aquatic Sciences and Fisheries Thesaurus

Descriptors Used in the Aquatic Sciences and Fisheries Information System
The publications comprising the ASFIS Reference Series define the rules, authority lists, formats, codes and procedures on which the ASFIS system is based, and therefore they are intended to ensure the consistency necessary for the computer processing and the uniformity within the resulting ASFIS information products. This Thesaurus is the “authority list” which indexers use to choose subject descriptors while preparing references for inclusion in the ASFA bibliographic database (the ASFA bibliographic database is the principal information module or output of the ASFIS system).

The Aquatic Sciences and Fisheries Information System (ASFIS) is an international, cooperative information system dealing with the science, technology and management relating to marine, brackish water and freshwater organisms and environments, including their socio-economic and legal aspects. The system is maintained jointly by the Food and Agriculture Organization of the United Nations (FAO), the Intergovernmental Oceanographic Commission of Unesco (IOC), United Nations/Division for Ocean Affairs and the Law of the Sea (UNDOALOS) and the United Nations Environment Programme (UNEP) with the collaboration of numerous international and national institutes and organizations world-wide (i.e. the ASFIS/ASFA Partners). The ASFIS system's main output is the Aquatic Sciences and Fisheries Abstracts (ASFA) bibliographic database containing more than a 1 million references with abstracts and indexing, accessioned since 1971 (and earlier for specific subjects, journals or areas). Upwards of 4000 references are added to the database each month.

The references or input to the ASFA bibliographic database are prepared by a network of National, and International ASFA Partners, including the ASFA Publisher (ProQuest). The bibliographic references are sent to the Publisher where they are processed by computer and merged to create a master file (i.e. the ASFA database). The ASFA database is made available to the ASFA Partners in various formats or media (e.g. Internet, CD/DVD Rom, printed abstracts journals) for use as a source of data for local or national information services. The database is also made commercially available by ProQuest to the general public.

The bibliographic reference for each document in the ASFA database contains: 1) a detailed bibliographic citation, 2) an abstract; and 3) a set of indexing terms. The identification of the data elements making up the bibliographic citation, the writing of the abstract, and the choice of the indexing terms is the responsibility of the ASFA Partner.

Computer based information systems operate most successfully when the input (in this case bibliographic references) is prepared with a high degree of consistency and accuracy. This is true for any computer based system, but it is even more important in an international system like ASFA in which the preparation of input is highly decentralized. In order to attain the desired level of consistency and accuracy, it is necessary that all of the persons submitting references for inclusion in the ASFA database are trained in using a standardized: cataloguing, abstracting and indexing procedure.

The purpose of this Thesaurus is to assist the indexers, in the participating ASFA Partner institutes, in consistently choosing the most appropriate subject descriptors while preparing bibliographic references for inclusion in the ASFA database. Of course, the Thesaurus is also of use to the “searcher” of the ASFA database, and it is included as a tool or search aid in the interfaces to the computer searchable versions of the ASFA database.

For further information on ASFA, see the ASFA Home page (http://www.fao.org/fi/asfa/asfa.asp) and, in particular, the FAQ page http://www.fao.org/fi/asfa/faq/faq.asp
ACKNOWLEDGEMENTS (1986 Edition)

Compilation of this extensive terminology would not have been possible without the willing support of all personnel involved over many years in the development and production of Aquatic Sciences and Fisheries Abstracts (ASFA). This support by past and present members of the ASFA Advisory Board and indexing staff whose names are listed on the editorial pages of ASFA is gratefully acknowledged. Thanks are also due to many specialists in the FAO Fisheries Department, in the Institute of Oceanographic Sciences at Wormley, UK and in the Institute of Offshore Engineering, UK, who have suggested descriptors and defined concepts relevant to their fields of speciality.

To the compilers of this edition of the Thesaurus goes the credit for their unique and valuable achievement. The enormous task of structuring the terminology for the aquatic biology, biological oceanography, and living resource aspects was undertaken by Dr. Elda Fagetti of the FAO Fisheries Department; her dedicated efforts launched the development of this Thesaurus on a sound foundation. The entries relevant to the expanded scope of ASFA into physical oceanography, ocean technology and non-living resource aspects were added by Dr. D.W. Privett of the UK Institute of Oceanographic Sciences, Wormley, working under contract to FAO. To Mr. J.R.L. Sears of Cambridge Scientific Abstracts, Bethesda, MD., USA, goes the credit for suggesting a large number of descriptors and editing online the final print version of this Thesaurus. In addition to the compilers, acknowledgement goes to Arnold Myers (Institute of Offshore Engineering, IOE) who contributed to the vocabulary in marine technology, to Cinda Yates Gainch (Division of the Unesco Libraries, Archives and Documentation Services), who adapted the SPINES software to the ASFIS Thesaurus requirements and carried out the initial computerisation process.

Last but not least in this list of names go acknowledgements to Mr. E.F. Akyüz, Chief, Fishery Information, Data and Statistics Service, FAO, who made possible the realisation of this Thesaurus, to Mr. R. Needham, head of the Research Information Unit which is responsible for development of all of the ASFIS Reference Series, and to the ASFA staff of the same unit who in one way or another were involved in this lengthy task, particularly Mrs. Giovanna Sebastiani-Corbellini and Mrs. Luciana Lombardi-Gianandrea, for their invaluable and patient help at the keyboarding and proofreading stages of the Thesaurus.


Adding to the difficult task of updating a Thesaurus, the compiler of this edition (Ms Julia. Hudson, IDC Consultants, Ottawa, Canada) took up the task following many years in which the Thesaurus’s maintenance was left pending. During this revision (which was never formally published), the Thesaurus maintenance was moved to the OECD thesaurus management software (OECD's Multilingual Thesaurus Manager, MTM). Discussion and voting on the terms was undertaken by the ASFA Thesaurus Working Group then comprised of: Richard. Pepe (FAO, ASFA Secretariat, Italy), Angela Hitti (CSA, USA), Jacqueline Prod'homme (IFREMER, France) and Wulf. Kirchner (BF, Germany).

The thesaurus revision was carried out by Ian Pettman (Freshwater Biological Association, The Ferry Landing, Ambleside, Cumbria, U.K) using the MultiTes Pro thesaurus software. Acknowledgment goes to the efforts of Ian Pettman, who, besides incorporating the revisions and making the necessary structural adjustments, also provided outputs for the print version of the Thesaurus and for other computer formats (XML, OWL and SKOS) for various other potential future applications (e.g. ontologies, GIS).

ACKNOWLEDGEMENTS (2009 Edition)

Periodic revisions to subject terminologies are required as the discipline continues to develop and mature.

The 2009 Edition (Revision 3) incorporates some 200 further entries compiled from two draft lists of amended and new terms. The first list was the collation of the suggestions sent by ASFA Partners. The second was drawn up by the FAO ASFA Secretariat from a review of the FAO Fisheries Glossary. The major work of compiling, circulating and coordinating these lists was undertaken by Ms Linda Noble (National Marine Biological Library, Plymouth, UK) and Ms Helen Wibley (ASFA Secretariat, Rome, Italy). Discussion and voting on the terms was undertaken by the ASFA Thesaurus Working Group which was re-established at the 2006 ASFA Board meeting. The members of this Group were Richard Pepe and Helen Wibley (FAO, ASFA Secretariat), Craig Emerson and Vicki Soto (ProQuest), Linda Noble (NMBL/UK), Jacqueline Prod'homme (IFREMER) and Ian Pettman (FBA/UK).

The thesaurus revision was carried out by Ian Pettman (Freshwater Biological Association, The Ferry Landing, Ambleside, Cumbria, UK) using the MultiTes Pro thesaurus software. Acknowledgment goes to the efforts of Ian Pettman, who, besides incorporating the revisions and making the necessary structural adjustments, also provided outputs for the print version of the Thesaurus and for other computer formats (XML, OWL and SKOS) for various other potential future applications (e.g. ontologies, GIS).
CONTENTS

PREFACE........................................................................................................................................ iii
ACKNOWLEDGEMENTS................................................................................................................... v
INTRODUCTION........................................................................................................................................ ix
1. PURPOSE AND COVERAGE OF ASFIS THESAURUS................................................................. ix
  1.1 Purpose......................................................................................................................................... ix
  1.2 Status of Thesaurus Development .............................................................................................. x
  1.3 Background................................................................................................................................... x
  1.4 Field coverage of the ASFIS Thesaurus....................................................................................... xi
2. RULES AND CONVENTIONS......................................................................................................... xii
  2.1 Standardization and control of terms........................................................................................... xii
    2.1.1 Spelling rules......................................................................................................................... xii
    2.1.2 Noun and adjective forms.................................................................................................... xii
    2.1.3 Singular and plural forms....................................................................................................... xii
    2.1.4 Abbreviations, initials and acronyms.................................................................................... xiii
    2.1.5 Alphabetisation..................................................................................................................... xiii
  2.2 Multiple-word entries................................................................................................................ xiii
  2.3 Use of characters........................................................................................................................ xiii
    2.3.1 Character sets....................................................................................................................... xiii
    2.3.2 Punctuation........................................................................................................................ xiv
3. SELECTION AND DEFINITION OF TERMS................................................................................... xiv
  3.1 Term Selection........................................................................................................................... xiv
  3.2 Term definition............................................................................................................................ xv
4. SPECIFICITY AND PRE-COORDINATION..................................................................................... xv
5. COMPUTER LOADING, CHECKING AND DEVELOPMENT......................................................... xv
6. THESAURUS CLASSIFICATION, STRUCTURE AND NOTATION................................................. xvi
  6.1 Thesaurus structural relations.................................................................................................... xvi
  6.2 Notation...................................................................................................................................... xvi
    6.2.1 Scope notes............................................................................................................................ xvi
    6.2.2 Alternative relations and synonymy..................................................................................... xvi
    6.2.3 Hierarchical relations........................................................................................................... xvi
    6.2.4 Associative or affinitive relations......................................................................................... xvi
7. GUIDELINES FOR TERM SELECTION BY USER........................................................................ xvii
8. BIBLIOGRAPHY.......................................................................................................................... xix
9. THESAURUS TERMS..................................................................................................................... 1
10. ASFA THESAURUS TERMINOLOGY CONTROL FORM........................................................... 313
1. PURPOSE AND COVERAGE OF THE ASFIS THESAURUS

1.1 Purpose

The ASFIS Thesaurus has been conceived so as to correspond to the objectives of the ASFIS system. It permits the subject indexing and retrieval of information on all aspects of aquatic sciences and technology, exploitation of living and non-living resources, related policy, social and economic aspects, processing and marketing of aquatic products, as recorded and stored in the Aquatic Sciences and Fisheries Information System's ASFA database. So far as can be ascertained, this is the only Thesaurus devoted to this broad field of knowledge. This Revision 3 supersedes the "Thesaurus of Terms for Aquatic Sciences and Fisheries" published in 1976 as FAO Fisheries Circular number 344, the "Aquatic Sciences and Fisheries Thesaurus" published in 1986 as ASFA Reference Series No.6, Revision 1, and "Aquatic Sciences and Fisheries Thesaurus" published in 2000 as ASFA Reference Series No.6, Revision 2.

1.2 Status of Thesaurus Development

It is perhaps worthwhile to emphasize that a technical thesaurus is not concerned with "semantic perfection" or exact hierarchy of scientific disciplines. Its structure is developed in accordance with the pragmatic requirements of information retrieval. The terminology presented in this publication has resulted from the experience gained in indexing over 1,300,000 records for inclusion in the Aquatic Sciences and Fisheries Abstracts database during 1971-2008. Extensive reference has been made to other related authority lists, thesauri, term glossaries and dictionaries. A list of these can be found in the bibliography. Nevertheless, terminology relevant to any area of scientific/technological development grows hand-in-hand with that development, and no thesaurus can ever be regarded as final.

The effort of compiling a more comprehensive Thesaurus for ASFIS and its ASFA database will take several more years. Rather than tolerate further delay in revising the now outdated 2000 edition, the ASFA Advisory Board has chosen to publish this Thesaurus now. Users may find some topics within the scope of ASFIS still not satisfactorily covered. To facilitate revision and up-dating, comments on and/or criticisms of the Thesaurus are welcome. Such comments/criticisms as well as suggestions for new terms to be added to the Thesaurus should be submitted on the forms found in this Thesaurus to:

Fisheries and Aquaculture Information and Statistics Service (FIES)
Attention: ASFA
Fisheries and Aquaculture Department
Food and Agriculture Organization of the United Nations
00153 Rome, Italy

The Thesaurus covers only subject index terms and should be used in conjunction with the ASFIS Guidelines for Subject Categorisation and Indexing - (ASFIS-5) - and the other ASFIS indexing tools, namely ASFIS Geographic Authority List - (ASFIS-7) - for geographic indexing and the ASFIS List of Species for Fishery Statistics Purposes (ASFIS-15), for taxonomic indexing.
1.3 Background

This thesaurus has evolved hand-in-hand with the growth of interest in aquatic ecosystems (both marine and freshwater) during the last 45 years, and the accompanying problems in handling the rapidly increasing volume of relevant scientific and technical literature.

In 1964, as a result of a collaborative programme with the University of Rhode Island, FAO published a *List of classification terms and subject descriptors*. In 1970, when arrangements were being made for the cooperative publication of the *Aquatic Sciences and Fisheries Abstracts (ASFA)* journal, the Informations and Dokumentationsstelle of the Bundesforschungsanstalt für Fischerei (Hamburg, Germany FR), undertook to further develop and classify this list. This work resulted in a considerably enhanced terminology (1971, revised 1974) which was used to index citations appearing in ASFA during this period.

In this next phase, FAO structured this terminological authority to produce a draft structured thesaurus (1974) which was evaluated in the production of a new experimental index for the 1975 volume of ASFA and used to index ASFA documents until the revised and enlarged version was published by FAO (FAO, 1976). This was widely distributed among ASFA indexers and users, specialised libraries and information systems over the world. It has been translated into Spanish (Mileo, A.T., 1981 and 1985) and French, following the IOC Executive Council recommendation of May 1979 (IOC/EC - X1.13) that "the Secretary of IOC makes arrangements when required for the translation of the terms in the enlarged ASFIS Thesaurus (ASFIS-6) through interested international institutions and member states, in particular in conjunction with ASFIS centres and other centres of excellence, having the necessary linguistic competence."

The widening of the ASFA scope in 1978 to cover also non-living resources and their exploitation called for additional appropriate terminology which was developed hand-in-hand with the development of ASFA-2: Ocean Technology, Policy and Non-Living Resources. The 1986 ASFIS Thesaurus (ASFIS-6, Revision 1) included therefore the original ASFA terminology in use since its origin plus additional terms relevant to the enlarged scope of ASFA or to the overall scope, in accordance with the development of the system.

The further widening of the scope in 1990 to include pollution and contamination called for additional appropriate terminology which was developed hand-in-hand with the development of ASFA-3: Aquatic Pollution and Environmental Quality. This resulted in the production of ASFIS-6, Revision 2 in the year 2000.

As for the previous editions, additions to the terminology for the production of this revision (ASFIS-6, Revision 3, 2009) have been based mainly on suggestions received from the international network of ASFIS input centres as well as from other aquatic and fisheries information systems.

Changes have been kept to the strictly necessary in order to keep consistency in the ASFA indexing vocabulary already well established over many years. For additional descriptors or changed descriptors, information is included in their SN giving the year in which their use was initiated as far as possible. Changed descriptors are also cross-referred to corresponding descriptors used in previous years.

As demonstrated by the previous edition, the Thesaurus will continue to exercise its influence over the standardisation of the English terminology relevant to the science and technology of the aquatic environment. It has already been adopted in a variety of emerging national and international information systems.
1.4 Field coverage of the ASFIS Thesaurus

The specialised field coverage of the ASFA Thesaurus can be divided into a core area which is treated in depth at very specific levels and peripheral areas requiring less refined treatment and treated only when relevant to the ASFA scope.

Strictly Core Areas

Aquatic natural and applied sciences such as:
- Biology
- Ecology
- Environmental sciences
- Oceanography
- Limnology

Aquaculture
- Geology
- Geophysics
- Meteorology and climatology
- Fisheries sciences

Technology and Engineering such as:
- Marine technology
- Ship technology
- Fishing technology
- Fish food technology

Living and non-living resources exploitation and processing, such as:
- Fishable stocks
- Fishery products
- Energy from the sea
- Minerals from the sea
- Cultured stocks
- Freshwater from the sea
- Chemicals from the sea
- Oil and gas

Aquatic pollution and its effects in organisms
Aquatic environmental changes, conservation, public health
Social, economic and policy relevant aspects

Marginal or peripheral areas

Exact and natural sciences, such as:
- Biology
- Mathematics
- Space sciences
- Chemistry
- Physics
- Statistical sciences

Human and social sciences:
- Development sciences
- History
- Pedagogy
- Economics
- International relations
- Management

Applied sciences and technologies
- Engineering relevant sciences
- Medical sciences
- Power technology
- Information sciences
- Transport technology
- Potable and waste water treatment technology
2. RULES AND CONVENTIONS

2.1 Standardisation and control of terms

In order to allow for coincidence between the indexing language and the searching language the ASFIS Thesaurus includes two types of terms, descriptors and non-descriptors.

Descriptors or allowable (permitted) terms are those which have been accepted by the systems for describing a concept and which are therefore used in indexing and consequently also for retrieval. The present version of the ASFIS Thesaurus includes over 6,200 descriptors.

Non-descriptors or forbidden (or unauthorised) terms include true synonyms, quasi-synonyms, word forms, different (American) spelling or very specific terms which are grouped for indexing (or retrieval) purposes into a conceptually broader term. They are followed by a USE reference which leads to the relevant descriptor. Therefore they are also known in controlled language systems as "lead-in terms." The present version includes 3,700 non-descriptors.

2.1.1 Spelling rules

The following rules have been followed:

British English rather than American English has been adopted for the descriptors. Where American spelling is used, or where alternative English spellings are available, they have been cross-referred to the preferred descriptors.

2.1.2 Noun and adjective forms

All descriptors have a "substantive" (or "noun") form.

Usually "common" adjectives are pre-coordinated with nouns and entered as compound descriptors to avoid (i) inconsistency in indexing and (ii) false combinations during retrieval, for example: "marine" pre-coordinated in:

MARINE ORGANISMS
MARINE PARKS
MARINE POLLUTION
MARINE TECHNOLOGY, etc.

and "international" pre-coordinated in:

INTERNATIONAL AGREEMENTS INTERNATIONAL LAW
INTERNATIONAL POLICY, etc.

Only a very small proportion of single word terms in adjectival or adverbial form are entered, with the instruction in SN "To be used only as a qualifier." This is for the benefit of practicality and flexibility, for adjectives in recurrent or common use, for example:

ANNUAL, MONTHLY, etc.

Prepositions are avoided in noun phrases (pluriterms), for example: "Technology transfer" instead of 'Transfer of technology." The following exceptions were made because the form with the preposition is the most familiar:

LAW OF THE SEA, OIL AND GAS and its compound descriptors, EQUATIONS OF STATE

2.1.3 Singular and plural forms

The general rule adopted is that plural form be given preference, whenever possible. It was always adopted for generic processes, phenomena, operations, properties, materials, instruments, entities, for example:

FISHERIES
BIOLOGICAL PHENOMENA
CHEMICAL PROPERTIES FISH
DISEASES
MEASURING DEVICES
Singular form is used for specific processes, properties and phenomena, specific materials, proper chemical names and disciplinary areas, which are acceptable only in the singular:

DECANTATION
DENSITY
GUANO
GROWTH
IRIDIUM
CHEMISTRY

When singular or plural forms of a term imply two different concepts, compound descriptors are used to avoid ambiguities, for example:

"coating" as a process is entered as COATING PROCESSES
"coatings" as an entity is entered as a synonym of COATING MATERIALS.

2.1.4 Abbreviations, initials and acronyms

As a general rule, abbreviations for descriptors have been avoided. Exceptions are:

• abbreviations which are universally accepted and do not give rise to misinterpretations, especially when appearing in their clustered structure e.g. DDT, RNA
• if the expanded form of the term is excessively long.

However, the expanded form of the term appears always as a synonym with a cross-reference, or in the scope notes.

2.1.5 Alphabetisation

Alphabetisation is based on word-by-word arrangement, according to the following sequences: spaces, special characters (full stop, hyphen, parenthesis) and letter in usual order.

2.2 Multiple-word entries

Both single-word descriptors and multiple-word descriptors have been used. Multiple-word entries (consisting of two or more words) are necessary to modify, define or specify scientific and technical concepts. In the field of aquatic sciences, this is particularly needed because the distinct environments (marine, fresh and brackish water) frequently imply particular research disciplines (e.g. MARINE GEOLOGY), different flora and fauna (e.g. FRESHWATER MOLLUSCS), or specialised techniques. (ESTUARINE FISHERIES). Other compound descriptors have been used to express concepts that should not be separated, for example BIOLOGICAL DEVELOPMENT; this helps to overcome retrieval problems associated with high-frequency usage of terms such as BIOLOGY and DEVELOPMENT.

Multiple-word descriptors are mainly entered with the words in their natural order, for example, MARINE POLLUTION and cross-referred to the hidden-words in the descriptors "pollution (marine)" as lead-in-terms. The first word in a multiple-word entry is always used in the singular form and the entry is cross-referred to the non-descriptor (and vice versa) when the plural is also in common use, for example FISHERY MANAGEMENT OF "fisheries management."

2.3 Use of characters

2.3.1 Character sets

The general rules adopted for the alphabetical structured list follows the following printing format:

• all descriptors are printed in bold font
• all non-descriptors (UF references) are printed in standard font
2.3.2 Punctuation

Punctuation marks have been kept to a minimum

- Diacritical marks are avoided
- Prefixes are usually connected to the stem, for example:
  - MICROFORMS
  - MICROHABITATS
- Hyphens have been retained only when this is common practice or when omission may alter the meaning of the term, for example:
  - RHODAMINE B-DYE
  - SHORT-CRESTED WAVES
  - POLE-LINE FISHING
  - AIR-ICE INTERFACE, etc.
  and for letter-word combinations, for example:
  - X-RAY ANALYSIS
  - S-WAVES

The space occupied by the hyphen is:

(i) Left blank for some compound adjectives, noun-noun combinations, where this is common practice, for example:
  - IN SITU DENSITY
(ii) dropped in attaching prefixes (adverbs) to the base word (stem), where this is common practice, for example:
  - NONDESTRUCTIVE TESTING
  - MULTISPECIES FISHERIES
  - MONOSEX CULTURE
- Slash is used only for the following compound descriptors, because of their common use in the specialised languages:
  - T/S DIAGRAMS and CATCH/EFFORT
- Periods and commas are used only in scope notes.
- Parentheses are used only for very few descriptors, as specified below, which need parenthetical definition and in non-desciptors resolved by inversion i.e. "reaction (chemical)" use CHEMICAL REACTIONS. Inversion was adopted, in general, with some exceptions, e.g.:
  - RESERVOIRS (WATER)
  - HABITAT IMPROVEMENT (CHEMICAL)
  - HABITAT IMPROVEMENT (PHYSICAL)
  - HABITAT IMPROVEMENT (FERTILIZATION)
  - LOCATIONS (WORKING)

3. SELECTION AND DEFINITION OF TERMS

As already mentioned in the introduction the ASFIS controlled vocabulary has developed hand-in-hand with the development of the Aquatic Sciences and Fisheries Abstracts journal. The ASFA indexers suggested terms in accordance with their experience in indexing documents for ASFA entries. The compilers selected among the suggested terms those more frequently requested or those that were considered necessary for indexing at more specific levels. Specialised relevant nomenclature bulletins, dictionaries and thesauri, as listed in the bibliography, were consulted for term selection and definition.
3.1 Term Selection

The main sources of term selection were:

1. Aquatic Sciences and Fisheries Thesaurus (FAO, 1986)
2. the indexing of ASFA-3 documents from 1990 to 2000
3. the suggestions of ASFA Partners
4. Thesauri, Dictionaries and Glossaries as listed in the selected bibliography

3.2 Term definition

The inter-relationships given in the Thesaurus supply a kind of definition by grouping terms in their semantic relations. A rough definition of the terms, when this is needed, is given in the scope notes. Usually to:

- restrict the usage of a broad descriptor within the context of the ASFIS system's scope.
- clarify the exact meaning of key specialised terms
- to give the corresponding descriptors used in previous years
- to explain the meaning of certain non-English terms
- to indicate that the descriptor is to be used only as a qualifier
- to recommend, in the case of a few "umbrella terms," i.e. terms with a very broad meaning, to select and use a more specific, or alternative, descriptor, among those listed below as NTs or RTs.

4. SPECIFICITY AND PRE-COORDINATION LEVEL

Due to the wide scope of ASFIS which covers three well-defined aquatic environments and bi-ecological as well as physico-chemical oceanographic sciences and technologies, a high level of specificity is necessary to ensure precision performance both at the input and the retrieval stages. To avoid confusion of descriptors which have a different meaning if applied to bio-ecological aspects or to physico-chemical aspects, the pre-coordination of terms by multiword descriptors has been very frequently adopted e.g.

BIOTESTING UF BIOLOGICAL TESTING, to distinguish from more general TESTING procedure etc.
BIOLOGICAL DAMAGE to distinguish from DAMAGE as resulting from accident or fire.

The same pre-coordination level was adopted for the terminology which refers to a specific aquatic environment in order to give to the relevant descriptors more specificity as requested by the specialised technology in use, or by the organisms involved e.g.

AQUACULTURE as broader term, but also MARINE AQUACULTURE, FRESHWATER AQUACULTURE and BRACKISHWATER AQUACULTURE.

Very general descriptors which are too generic or too conceptually broad for precise indexing and retrieval purposes have been included only with the function of recalling under a single generic "umbrella" term, the pre-coordinated specific descriptors among which to select the most relevant one e.g.

CONTROL and EQUIPMENT followed by the hierarchical display of narrower precoordinated descriptors or PROPERTIES followed by a non-hierarchical list of precoordinated descriptors as related terms.

5. COMPUTER LOADING, CHECKING AND DEVELOPMENT

Following automation via the MultiTes Pro software, the Thesaurus was converted and edited by the Freshwater Biological Association leading to this print and online version of the ASFIS Thesaurus.
6. THESAURUS CLASSIFICATION, STRUCTURE AND NOTATION

6.1 Thesaurus structural relations
As in previous editions, this Thesaurus is structured to display commonly accepted relationships - preferential, hierarchical and affinitive.

6.2 Notation

6.2.1 Scope notes
SN (scope note), a rough definition of the scope of the term where this is needed (usually for limitation). Scope notes also indicate the date, year in which additional descriptors to the 1976 version entered into use ("Added in...") and the dates when previous descriptors were changed, in which case indication is also given of descriptors previously used ("Before...search...").

The scope notes of a few "umbrella" terms included in the thesaurus recommend the use of alternative or more specific descriptors as listed below, at hierarchical or related levels.

6.2.2 Alternative relations and synonymy
USE directs the user from a non-descriptor to the relevant descriptor; UF (used for) is the reciprocal relationship to USE.

The USE-UF cross-relationship is used in a variety of situations:
- for synonyms or near synonyms
  - man-made lakes USE ARTIFICIAL LAKES
  - chorology USE BIOGEOGRAPHY
- to indicate preference in spelling
  - hematology USE HAEMATOLOGY
- to designate a mandatory generically broader descriptor
  - coastal aquaculture USE MARINE AQUACULTURE
- to designate a preferred, closely related, descriptor
  - commercialization USE MARKETING
- to indicate preferred (natural) word order
  - reactions (chemical) USE CHEMICAL REACTIONS
  - pollution (marine) USE MARINE POLLUTION
- to refer from specific commonly-used parameters to the phenomena or properties which they quantify, for example:
  - metabolic rate USE METABOLISM
  - respiratory quotients USE RESPIRATION
  - fishing mortality coefficients USE FISHING MORTALITY

6.2.3 Hierarchical relations
ASFIS Thesaurus includes mainly generic hierarchical relations, in which the generic descriptor (broad term) represents a class of concepts expressed by its specific descriptors (narrower terms).

<table>
<thead>
<tr>
<th>BT (broader term)</th>
<th>NT (narrower term)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DISEASES (generic)</td>
<td>FISH DISEASES</td>
</tr>
<tr>
<td></td>
<td>PLANT DISEASES</td>
</tr>
</tbody>
</table>

6.2.4 Associative or affinitive relations
The non-hierarchical relations, direct the users to alternative descriptors in the event that the lead descriptor is conceptually inappropriate. They are known as related terms and entered as RT. Related terms in the ASFIS Thesaurus are displayed also:
- to indicate antinomy
  - AESTIVATION RT HIBERNATION
7. GUIDELINES FOR TERM SELECTION BY USER

It is difficult to lay down a coherent set of rules for subject indexing where different research disciplines and technologies are involved, but users of this Thesaurus should be aware of certain general considerations:

Only the essential scientific technical concepts, which are necessary for retrieval of the document abstracted, should be indexed;

Be specific by using the available keyword at the nearest level of specificity.
Example: if a paper deals with migration of juvenile tuna to feeding grounds, do not use MIGRATIONS as descriptor but the more specific keyword FEEDING MIGRATIONS;

Use a combination of descriptors where needed, even if this involves the redundancy of using "stem synonyms."
Example: if a paper deals with mesh selectivity of a certain type of fishing net for fishery regulation purposes, use both relevant descriptors MESH SELECTIVITY and MESH REGULATIONS plus other related descriptors, e.g., TRAWLS;

Use complimentary descriptors where needed for a particular aquatic environment (marine, freshwater and brackishwater environment) and its organisms.
Example: (a) if a paper deals with oyster culture in the Ribadeo estuary, use both descriptors OYSTER CULTURE and BRACKISHWATER AQUACULTURE;
(b) if a paper deals with the effects of pollution on an oceanic species, use both descriptors MARINE POLLUTION and POLLUTION EFFECTS plus the relevant taxonomic entry;

Descriptors referring to very broad concepts - "umbrella" terms - which have been included to facilitate retrieval of the related specific descriptors should not be used alone (i.e. without an additional subject descriptor which is more specific, for example:

METHODOLOGY may serve as qualifier for a more specific entry such as SHRIMP CULTURE when the paper dealt with describes methods in use;

Index always with subject descriptors plus the taxonomic entry (in the appropriate tag of the Indexing Form) those papers that deal with aquatic animals and plants, for which only vernacular names are given.
Example: (a) a paper dealing with tuna fishery in the World Ocean should be indexed by the relevant subject descriptors TUNA FISHERIES and PELAGIC FISHERIES plus the taxonomic entry SCOMBRIDAE;
(b) a paper dealing with carp culture should be indexed by both relevant subject descriptors FRESHWATER AQUACULTURE and FISH CULTURE plus the taxonomic entry CYPRINIDAE;
8. BIBLIOGRAPHY


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FAO (1986) Aquatic Sciences and Fisheries Thesaurus, ASFIS Reference Series No. 6 Revision 1, 418 p.


xix
9. THESAURUS TERMS

AAS
USE: Absorption spectroscopy

Abalone fisheries
USE: Gastropod fisheries

Abdomen
UF: Peritoneum
BT: Body regions
RT: Digestive system

Abiotic diseases
USE: Environmental diseases

Abiotic factors
SN: Before 1982 search
ENVIRONMENTAL FACTORS
UF: Density-independent factors
BT: Environmental factors
RT: Dissolved oxygen
Light
Salinity
Water temperature

Ablation
SN: Use only for processes resulting in removal and loss of ice from glaciers, floating ice, etc. For organ ablation use ORGAN REMOVAL
RT: Air-ice interface
Calving
Evaporation
Glaciers
Ice accretion
Ice caps
Ice islands
Ice melting
Ice shelves
Ice volume
Icebergs
Sublimation

Abnormal organisms
USE: Abnormalities

Abnormalities
SN: Restricted to living organisms
UF: Abnormal organisms
Body deformations
Malformations
NT: Genetic abnormalities

Aboriginal fishing
USE: Indigenous fishing

Absolute age
UF: Actual age
BT: Age
RT: Radiometric dating

Absolute food deficiency
USE: Starvation

Absolute humidity
BT: Humidity

Absorption
USE: Absorption spectroscopy

Absolute velocity
USE: Velocity

Absolute vorticity
BT: Vorticity
RT: Conservation of vorticity
Coriolis parameters
Relative vorticity

Absorptance
BT: Optical properties
RT: Absorption coefficient
Absorption spectra
Light absorption
Wave motion

Absorption (chemistry)
USE: Sorption

Absorption (food)
USE: Food absorption

Absorption (light)
USE: Light absorption

Absorption (physics)
NT: Light absorption
Sound absorption
RT: Amplitude
Attenuation
Reflection
Transmission
Wave motion

Absorption (sound)
USE: Sound absorption

Absorption coefficient
SN: Before 1982 search also ABSORPTIVITY
UF: Absorptivity
RT: Absorptance
Emittance
Extinction coefficient
Light absorption
Light penetration

Absorption loss
USE: Transmission loss

Absorption spectra
BT: Spectra
RT: Absorptance
Absorption spectroscopy
Light absorption
Light penetration
Turbidity

Absorption spectrometry
USE: Absorption spectroscopy

Absorption spectroscopy
UF: AAS
Absorption spectrometry

Abundance
USE: Chemical composition

Abyssal circulation
SN: World-wide deep circulation of ocean basins
BT: Ocean circulation
RT: Abyssal currents
Bottom topography effects

Abyssal cones
USE: Deep-sea fans

Abyssal currents
BT: Bottom currents
RT: Abyssal circulation
Benthic currents

Abyssal environment
USE: Abyssal zone

Abyssal hills
BT: Submarine features

Abyssal plains
BT: Submarine features
RT: Continental rise
Ocean basins
Ocean floor
Plains
Seachannels

Abyssal zone
SN: Zone below 1000 m depth
UF: Abyssal environment
RT: Abyssobenthic zone
Abyssopelagic zone
Pelagic environment

Abyssobenthic zone
SN: Benthic regions below 1000 m depth
BT: Benthic environment
RT: Abyssal zone
Abyssopelagic zone
Abyssopelagic zone
SN: Pelagic regions below 1000 m depth
BT: Oceanic province
RT: Abyssal zone
Abyssobenthic zone
Aphotic zone

Acclimation
SN: Adjustment of aquatic organisms to conditions in the laboratory
BT: Adaptations
RT: Acclimatization
Captive

Acceptability
RT: Acceptance tests
Evaluation
Inspection
Performance assessment
Quality
Reliability
Standards
Testing

Accuracy
RT: Calibration
Measurement
Reliability
Resolution
Tests

Acid rain
SN: Precipitation having a pH below 5.6 due to high concentrations of sulphate, nitrate, ammonium or other anions
UF: Acid precipitation
BT: Rain
RT: Acidity
Freshwater pollution

Acidity
BT: Chemical properties
RT: Acid rain
Acidification
Acids
Alkalinity
Buffers
pH
pH effects

Acids
SN: Use of a more specific term is recommended
NT: Inorganic acids
Organic acids
RT: Acidification
Acidity

Accessory respiratory organs
USE: Respiratory organs

Acoustics
BT: Arrays
NT: Sonar arrays
Transducer arrays
Transponder arrays
RT: Acoustic equipment
Seismic arrays

Acoustic analogs
USE: Acoustic models

Acoustic arrays
BT: Arrays
NT: Sonar arrays
Transducer arrays
Transponder arrays
RT: Acoustic equipment
Seismic arrays

Acoustic baffles
USE: Acoustic insulation

Acoustic beacons
BT: Navigational aids
RT: Acoustic equipment
Acoustic navigation
Acoustic transponders
Dynamic positioning
Positioning systems

Acoustic cavitation
USE: Cavitation

Acoustic channels
USE: Sound channels

Acoustic command systems
RT: Acoustic equipment
Acoustic command systems
Acoustic telemetry
Acoustic transponders
Remote control

Access
NT: Public access

Accessory respiratory organs
USE: Respiratory organs

Accretion
UF: Aggradation
NT: Beach accretion
Crustal accretion
Ice accretion
RT: Sedimentation

Accumulation
NT: Bioaccumulation
Ion accumulation
RT: Fate

Accumulation of ions
USE: Ion accumulation

Accumulation of sediments
USE: Sedimentation

Accretion
UF: Aggradation
NT: Beach accretion
Crustal accretion
Ice accretion
RT: Sedimentation

Accuracy
RT: Calibration
Measurement
Reliability
Resolution
Tests

Acetate
BT: Carboxylic acid salts

Acetone
BT: Ketones

Acetylcholine
USE: Neurotransmitters

Acetylene
USE: Ethyne

Acid precipitation
USE: Acid rain
Acoustic current meters
BT: Current meters
RT: Eulerian current measurement
Acoustic data
BT: Data
Acoustic detection
USE: Sonar detection
Acoustic devices
USE: Acoustic equipment
Acoustic direction finding
USE: Echo ranging
Acoustic distance measurement
USE: Echo ranging
Acoustic doppler sonar
USE: Doppler sonar
Acoustic emission
RT: Nondestructive testing
Acoustic emission testing
USE: Nondestructive testing
Acoustic equipment
UF: Acoustic devices
AC: Systems (acoustic)
BT: Equipment
NT: Acoustic transducers
Acoustic transponders
Echosounders
Electroacoustic devices
Net sounders
Sound generators
RT: Acoustic arrays
Acoustic beacons
Acoustic command systems
Acoustic tracking systems
Acoustics
Echo integrators
Electronic equipment
Fish counters
Sonar
Sonar receivers
Sonar targets
Sonic tags
Sound recorders
Sound waves
Acoustic generators
USE: Sound generators
Acoustic holography
BT: Acoustic imagery
Holography
RT: Acoustic tomography
Acoustic imagery
UF: Acoustic sensing
BT: Imagery
NT: Acoustic holography
Acoustic tomography
Acoustic images
BT: Acoustic imagery
RT: Acoustic images
Sodar
Acoustic impedance
BT: Impedance
RT: Acoustic properties
Sound velocity
Acoustic insulation
UF: Acoustic baffles
Baffles (sound)
Sound baffles
Sound insulation
BT: Insulating materials
RT: Acoustic properties
Noise reduction
Sound absorption
Suppressors
Acoustic intensity
USE: Sound intensity
Acoustic measurement
USE: Sound measurement
Acoustic models
UF: Acoustic analogs
BT: Analog models
RT: Acoustics
Acoustic navigation
UF: Sonar navigation
Transponder navigation
BT: Navigation
NT: Doppler navigation
RT: Acoustic beacons
Navigation underwater
Sonar
Acoustic pingers
USE: Pingers
Acoustic properties
UF: Sound properties
BT: Physical properties
RT: Acoustic impedance
Acoustic insulation
Acoustics
Cavitation
Sound attenuation
Sound intensity
Sound velocity
Acoustic radiators
USE: Sound generators
Acoustic release mechanisms
USE: Release mechanisms
Acoustic sensing
USE: Acoustic imagery
Acoustic sizing techniques
USE: Fish sizing
Acoustic spectra
USE: Sound spectra
Acoustic stratigraphy
USE: Seismic stratigraphy
Acoustic surveys
USE: Echo surveys
Acoustic surveys (atmosphere)
USE: Sodar
Acoustic systems
USE: Acoustic equipment
Acoustic tags
USE: Sonic tags
Acoustic telemetry
BT: Telemetry
RT: Acoustic command systems
Acoustic tracking systems
Acoustic tomography
BT: Acoustic imagery
RT: Acoustic holography
Tomography
Acoustic tracking
USE: Tracking
Acoustic tracking systems
UF: Underwater tracking systems
BT: Detectors
RT: Acoustic equipment
Acoustic telemetry
Active sonar
Echo ranging
Navigation underwater
Acoustic transducers
BT: Acoustic equipment
Transducers
NT: Hydrophones
Microphones
Sonar transducers
RT: Electroacoustic devices
Piezoelectric transducers
Acoustic transponders
UF: Beacons (transponders)
Sonar transponders
BT: Acoustic equipment
Transponders
RT: Acoustic beacons
Acoustic command systems
Swallow floats
Acoustic wave absorption
USE: Sound absorption
Acoustic wave attenuation
USE: Sound attenuation
Acoustic wave diffraction
USE: Sound diffraction

Acoustic wave dispersion
USE: Sound dispersion

Acoustic wave propagation
USE: Sound propagation

Acoustic wave reflection
USE: Sound reflection

Acoustic wave refraction
USE: Sound refraction

Acoustic wave scattering
USE: Sound scattering

Acoustic wave transmission
USE: Sound transmission

Acoustic waves
USE: Sound waves

Acoustics
UF: Underwater acoustics
BT: Physics
NT: Bioacoustics
Ultrasonics
RT: Acoustic equipment
Acoustic models
Acoustic properties
Echoes
Sound
Sound channels
Sound recorders
Sound waves

Acquisition
NT: Data acquisition
RT: Purchasing

Acronyms
RT: Terminology

Acrylic acid
BT: Organic acids

Acrylics
BT: Plastics

Actin
SN: Before 1982 search
PROTEINS
BT: Proteins
RT: Muscles

Actinide compounds
BT: Chemical compounds
NT: Thorium compounds
Uranium compounds
RT: Actinides

Actinides
BT: Rare earths
NT: Actinium
Americium

Acyclic hydrocarbons
UF: Branched chain saturated hydrocarbons
Straight chain saturated hydrocarbons
BT: Saturated hydrocarbons
NT: Butane
Ethane
Methane
Propane

Adaptations
SN: Use of a more specific term is recommended
BT: Biological phenomena
NT: Acclimation
Acclimatization
Camouflage
Chromatic adaptations
Mimicry
Osmotic adaptations
RT: Behaviour
Ecotypes
Synecology
Tolerance

Adaptations (physiological)
USE: Acclimatization

Adaptive colouration
USE: Mimicry

Additional catch
USE: By catch

Additives
UF: Modifiers
NT: Food additives
RT: Agents
Adenosine diphosphate
USE: ADP
Adenosine monophosphate
USE: AMP
Adenosine triphosphate
USE: ATP

Adhesion
UF: Bonding
RT: Adhesives
Surface properties

Adhesives
UF: Binders (adhesives)
Cements (adhesives)
Rubber (adhesives)
NT: Fish glue
RT: Adhesion
Epoxy resins
Adiabatic cooling
USE: Adiabatic processes

Adiabatic heating
USE: Adiabatic processes
Adiabatic lapse rates
USE: Temperature gradients

Adiabatic processes
UF: Adiabatic cooling
Adiabatic heating
BT: Isothermal processes
RT: Potential density
Potential temperature
Thermodynamics

Adiabatic temperature gradient
USE: Temperature gradients

Adjacent seas
USE: Marginal seas

Administration
USE: Management

ADP
UF: Adenosine diphosphate
BT: Nucleotides
Phosphates

Adrenal glands
SN: Before 1982 search
ENDOCRINE GLANDS
UF: Suprarenal glands
BT: Endocrine glands
RT: Kidneys

Adsorbents
USE: Adsorption

Adsorption
SN: The taking up of one substance at the surface of another
UF: Adsorbents
BT: Sorption
RT: Chromatographic techniques
Diffusion
Drying
Exchange capacity
Oil removal
Oil water separation
Osmosis
Separation
Surface properties

Adults
BT: Developmental stages
RT: Sexual maturity

Advection
SN: Process of transport of property by mass motion
UF: Marine advection
BT: Transport processes
NT: Convection
Horizontal advection
Salt advection
Vertical advection
RT: Circulation
Convergence zones
Heat transport
Oceanic convergences

Aerobic respiration
BT: Respiration
RT: Anoxia
Biochemical oxygen demand
Compensation depth
Dissolved oxygen
Gills
Lungs
Oxygen consumption
Respirometers

Aerobic sediments
USE: Oxic sediments

Aerodynamics
BT: Fluid dynamics

Aeromagnetic surveys
BT: Surveys
RT: Airborne sensing
Geomagnetic field
Magnetic exploration

Aeronomy
USE: Atmospheric physics

Aerosols
UF: Atmospheric aerosols
Continental aerosols
Marine aerosols
BT: Colloids
NT: Radioactive aerosols
RT: Air pollution
Atmospheric particulates
Bubble bursting
Turbidity

Aestivation
RT: Animal physiology
Body temperature
Dormancy
Ecophysiology
Environmental effects
Heat balance
Hibernation
Metabolism
Plant physiology
Temperature tolerance
Thermoregulation

Aetiology
SN: The medical study of the causation of diseases
UF: Etiology
BT: Medicine
RT: Disease control
Disease detection
Diseases

Afferent nerves
USE: Nerves

Agar
BT: Seaweed products
RT: Alginates
Carbohydrates
Carrageenins
Colloids
Polysaccharides

Aeration
NT: Artificial aeration
Bioaeration
RT: Air
Air bubbles
Bubbling
Dissolved oxygen
Mixing processes
Oxygenation
Self purification
Separation
Sewage treatment
Sludge treatment
Water circulation
Water filtration
Water mixing
Water treatment

Aerial photographs
SN: Before 1982 search AERIAL PHOTOGRAPHY
BT: Photographs
RT: Aerial photography
Satellite mosaics

Aerial photography
BT: Photography
NT: Satellite photography
RT: Aerial photographs
Aerial surveys
Airborne sensing
Stereophotography

Aerial surveys
BT: Surveys
RT: Aerial photography
Airborne sensing
Fishery surveys

Aerobic bacteria
BT: Bacteria
RT: Self purification

Aerobic conditions
USE: Oxic conditions
Agarose
BT: Polysaccharides

Age
UF: Age of seawater
Age of tide
Earth age
Wave age
NT: Absolute age
Biological age
RT: Age determination
Aging
Geochronometry
Residence time

Age (biological)
USE: Biological age

Age (organisms)
USE: Biological age

Age at first maturity
USE: Age at recruitment

Age at recruitment
SN: Age at which fish are recruited as fishable stock
UF: Age at first maturity
BT: Biological age
RT: Age composition
Recruitment

Age composition
SN: Year-class frequencies
BT: Population structure
RT: Age at recruitment
Age determination
Age groups
Biological aging
Size distribution
Year class

Age determination
SN: Restricted to age determination in aquatic organisms. For physical purposes use GEOCHRONOMETRY. Before 1982 search also AGEING
METHODS
UF: Biological dating
Dating (biological)
Organism dating
NT: Otolith reading
Scale reading
RT: Age
Age composition
Age groups
Biological aging
Fossils
Growth

Age determination (earth sciences)
USE: Geochronometry

Age groups
SN: A group of fish at a given age. Before 1982 search AGE COMPOSITION
RT: Age composition
Age determination
Age length relationships
USE: Growth curves
Age of seawater
USE: Age
Age of tide
USE: Age
Ageing
USE: Aging
Ageing (biological)
USE: Biological aging

Agents
SN: Use of a more specific term is recommended
NT: Anticoagulants
Antifouling substances
Antifreezes
Anthelmintic agents
Antioxidants
Antiparasitic agents
Antitumour agents
Antiviral agents
Catalysts
Coagulants
Dispersants
Inhibitors
Mutagens
Preservatives
Solvents
Surfactants
RT: Additives

Ageostrophic flow
BT: Fluid flow
RT: Geostrophic flow
Geostrophy

Agglutinins
UF: Haemagglutinins
BT: Antibodies
RT: Bacteria
Blood cells

Aggregation
RT: Aggregates

Aggregations (ecological)
USE: Ecological aggregations

Aggregations (organisms)
USE: Organism aggregations

Aggression
USE: Aggressive behaviour

Aggressive behaviour
SN: Before 1982 search AGONISTIC BEHAVIOUR
UF: Aggression
Aggressive mimicry
BT: Behaviour
RT: Agonistic behaviour
Pecking order
Territoriality

Aggressive mimicry
USE: Aggressive behaviour

Aging
SN: Before 1982 search also AGEING Use of a more specific term is recommended
UF: Ageing
NT: Biological aging
RT: Age

Aging (biological)
USE: Biological aging

Agridacryl

Agroecology

AgriRAU

Agroalimentary

Agrochemical

Agromechnics
Agropisciculture
SN: Combination or alternation of agriculture and freshwater aquaculture
UF: Chicken-fish culture
Duck-fish culture
Fish-cum-chicken culture
Fish-cum-duck culture
Fish-cum-pig culture
Integrated agriculture
Pig-fish culture
NT: Rice field aquaculture
RT: Agriculture
Aquaculture techniques
Fish culture
Freshwater aquaculture
Frog culture
Plant culture
Pond culture

Air
RT: Aeration
Air bubbles
Air conditioning
Air pollution
Air temperature
Earth atmosphere
Gases
Oxygen
Air bladder
USE: Swim bladder

Air breathing fish
BT: Fish
Air bubbles
BT: Bubbles
RT: Aeration
Air
Air-water interface
Capillarity
Foams
Air compressors
USE: Compressors

Air conditioning
RT: Air
Ventilation
Air contamination
USE: Air pollution
Air cushion vehicles
USE: Hovercraft

Air exposure
UF: Aerial exposure
Exposure to air
RT: Exposure tolerance
Intertidal environment

Air flow over land
BT: Flow over surfaces
RT: Atmospheric motion

Air flow over water
UF: Flow over water surface
BT: Flow over surfaces
RT: Atmospheric motion
Wind wave generation
Wind-wave interaction

Air guns
BT: Seismic energy sources

Air masses
NT: Polar air masses
RT: Atmospheric disturbances
Atmospheric fronts
Frontogenesis
Air motion
USE: Atmospheric motion

Air poisoning
USE: Air pollution

Air pollution
SN: Including its effects on aquatic environment
UF: Air contamination
Air poisoning
Atmospheric pollution
BT: Pollution
RT: Aerosols
Air
Air sampling
Anthropogenic factors
Atmospheric chemistry
Atmospheric particulates
Climatic changes
Dust
Fallout
Fly ash
Haze
Smoke
Air pumps
USE: Pumps

Air sampling
BT: Sampling
RT: Air pollution
Atmospheric chemistry
Atmospheric particulates

Air temperature
UF: Dry bulb temperature
BT: Temperature
RT: Air
Cold season
Evaporation
Isotherms
Potential temperature
Radiosondes
Southern oscillation
Storage conditions
Troposphere
Weather

Air transportation
SN: Carriage of passengers and goods by air
BT: Transportation
RT: Aircraft
Hovercraft

Airborne equipment
UF: Aircraft equipment
BT: Equipment
RT: Airborne sensing
Aircraft
AXBTs
Electronic equipment
Surveying equipment

Airborne remote sensing
USE: Airborne sensing

Airborne sensing
SN: Employing equipment carried by low flying aircraft and helicopters
UF: Airborne remote sensing
BT: Geosensing
RT: Aerial photography
Aerial surveys
Aeromagnetic surveys
Airborne equipment
Aircraft

Aircraft
BT: Vehicles
NT: Helicopters
RT: Air transportation
Airborne equipment
Airborne sensing
Airports
Hovercraft

Aircraft equipment
USE: Airborne equipment

Air-deployed expendable bathythermographs
USE: AXBTs

Air-ice interface
UF: Ice-air interface
BT: Interfaces
RT: Ablation
Evaporation
Heat exchange
Ice
Ice caps

Airports
RT: Aircraft

Air-sea coupling
RT: Air-sea interaction
Meteorology
Ocean-atmosphere system
Ocean-ice-atmosphere system

Air-sea exchanges
USE: Air-water exchanges
Air-sea interaction
BT: Interactions
RT: Air-sea coupling
Air-water exchanges
Air-water interface
Meteorology
Ocean-atmosphere system
Sea surface
Teleconnections

Air-sea transfer
USE: Air-water exchanges

Air-water boundary layer
USE: Atmospheric boundary layer

Air-water exchanges
UF: Air-sea exchanges
Sea-air exchanges
Water-air exchanges
RT: Air-sea interaction
Air-water interface
Air-water temperature difference
Bowen ratio
Bubble bursting
Energy transfer
Evaporation
Gas exchange
Heat exchange
Moisture transfer
Momentum transfer
Ocean-atmosphere system
Surface chemistry

Air-water interface
UF: Naviface
BT: Interfaces
RT: Air bubbles
Air-sea interaction
Air-water exchanges
Air-water temperature difference
Atmospheric boundary layer
Energy transfer
Evaporation
Gas exchange
Heat exchange
Light reflection
Light refraction
Moisture transfer
Momentum transfer
Oceanic boundary layer
Reflectance
Reflected global radiation
Sea surface
Surface microlayer
Surface properties
Surface radiation temperature

Air-water temperature difference
BT: Temperature differences
RT: Air-water exchanges
Air-water interface

Alamone
BT: Amino acids

Alarm substances
RT: Chemoreception
Olfaction

Alarm systems
UF: Warning devices
BT: Warning systems
NT: Distress signals
RT: Detectors
Safety devices

Albino
SN: Complete or almost complete absence of pigment in aquatic organisms
RT: Chromatic pigments
Genetic abnormalities

Albumins
SN: Before 1980 search PROTEINS
UF: Ovalbumin
Serum albumins
BT: Proteins
RT: Bird eggs
Blood

Aldehydes
BT: Organic compounds
RT: Arabinose
Glucose
Mannose
Ribose
Xylose

Algal mats
Algale culture
USE: Algal culture

Algae culture
USE: Botanical resources

Algal blooms
UF: Blooms
Plankton blooms
Sea blooms
Water blooms
RT: Algae
Biological poisons
Marine snow
Mortality causes
Phytoplankton
Primary production
Red tides

Algal culture
UF: Algae culture
Algicultures
BT: Cultures
NT: Phytoplankton culture
RT: Algae
Brackishwater aquaculture
Culture tanks
Freshwater aquaculture
Marine aquaculture
Mass culture
Spores

Algal mats
BT: Biogenic sedimentary structures
RT: Algae
Stromatolites

Algal settlements
BT: Biological settlement
RT: Algae
Artificial substrata
Settling behaviour
Substrate preferences

Algalicacides
BT: Pesticides
RT: Herbicides
Toxicants

Algaculture
USE: Algal culture

Algates
SN: Industrial product derived from brown algae
UF: Seaweed meal
BT: Seaweed products
RT: Agar
Carrageenins
Kelps
Organic acids
Alginic acid
BT: Polysaccharides
RT: Amino acids

Algologists
UF: Phycologists
BT: Biologists
RT: Algology
Fishery biologists
Taxonomists

Algalogy
UF: Phycology
BT: Botany
RT: Algologists
Aquatic plants
Hydrobiology
Marine sciences
Phytobenthos
Phytoplankton
Plant physiology

Algorithms
RT: Computer programs
Mathematical models
Numerical analysis

Aliphatic hydrocarbons
BT: Saturated hydrocarbons

Alien species
USE: Introduced species

Alimentary organs
BT: Animal organs
Digestive system
NT: Intestines
Lophophores
Pyloric caeca
Stomach
RT: Digestive glands
Nut parts
Radulae

Allochthonous deposits
RT: Autochthonous deposits
Eolian deposits
Extraterrestrial material
Glacial deposits
Sediments
Volcanic rocks

Allometry
SN: Size-dependence of metabolic processes
RT: Metabolism

Allopatric populations
SN: Populations of a same species living in different geographic areas
RT: Geographical distribution
Sympatric populations

Allowable catch
USE: Total allowable catch

Alloys
UF: Metals (materials)
BT: Materials
NT: Ferrous alloys
Nonferrous alloys
RT: Chemical elements
Metallurgy
Metals

Allozymes
SN: Enzymes with allelic variants
BT: Enzymes

Alluvial deposits
UF: Alluvium
BT: Sediments
RT: Alluvial fans
Alluvial terraces
Clastics

Alkaline earth compounds
BT: Chemical compounds
NC: Barium compounds
Calcium compounds
Magnesium compounds
RT: Alkaline earth metals

Alkaline earth metals
BT: Metals
NT: Barium
Beryllium
Calcium
Magnesium
Radium
Strontium
Yttrium
RT: Alkaline earth metal compounds

Alkalinity
SN: For a pH above 7
UF: Causticity
BT: Chemical properties
RT: Acidity
Buffers
pH
pH effects
Water hardness

Alkaloids
BT: Organic compounds
RT: Aquatic plants
Drugs

Alleles
SN: (Genes for) paired characteristics. Before 2008 search ALLELLES
UF: Alleles
BT: Genes
RT: Gene pool

Allelopathy
SN: Chemical inhibition of one species by another through the release of the “inhibitory” chemical into the environment where it affects the development and growth of neighbouring plants.
BT: Chemical defence

Allergic reactions
UF: Allergies
BT: Biological phenomena
RT: Food poisoning
Histamines
Immunology
Poisonous organisms
Toxicity

Allocation systems
SN: Restricted to fisheries for division of a total catch between participants in the fishery
UF: International allocation
National allocation
RT: Exclusive economic zone
Fishery policy
Shared stocks

Alien species
USE: Introduced species

Alligator culture
USE: Reptile culture

Allocation systems
SN: Restricted to fisheries for division of a total catch between participants in the fishery
UF: International allocation
National allocation
RT: Exclusive economic zone
Fishery policy
Shared stocks

Allometry
SN: Size-dependence of metabolic processes
RT: Metabolism

Allopatric populations
SN: Populations of a same species living in different geographic areas
RT: Geographical distribution
Sympatric populations

Allowable catch
USE: Total allowable catch

Alloys
UF: Metals (materials)
BT: Materials
NT: Ferrous alloys
Nonferrous alloys
RT: Chemical elements
Metallurgy
Metals

Allozymes
SN: Enzymes with allelic variants
BT: Enzymes

Alluvial deposits
UF: Alluvium
BT: Sediments
RT: Alluvial fans
Alluvial terraces
Clastics

Algorithms
RT: Computer programs
Mathematical models
Numerical analysis

Aliphatic hydrocarbons
BT: Saturated hydrocarbons

Alien species
USE: Introduced species

Alimentary organs
BT: Animal organs
Digestive system
NT: Intestines
Lophophores
Pyloric caeca
Stomach
RT: Digestive glands
Nut parts
Radulae

Allochthonous deposits
RT: Autochthonous deposits
Eolian deposits
Extraterrestrial material
Glacial deposits
Sediments
Volcanic rocks

Allometry
SN: Size-dependence of metabolic processes
RT: Metabolism

Allopatric populations
SN: Populations of a same species living in different geographic areas
RT: Geographical distribution
Sympatric populations

Allowable catch
USE: Total allowable catch

Alloys
UF: Metals (materials)
BT: Materials
NT: Ferrous alloys
Nonferrous alloys
RT: Chemical elements
Metallurgy
Metals

Allozymes
SN: Enzymes with allelic variants
BT: Enzymes

Alluvial deposits
UF: Alluvium
BT: Sediments
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Alluvial deposits
UF: Alluvium
BT: Sediments
RT: Alluvial fans
Alluvial terraces
Clastics
ASFA THESAURUS

Deltas
Flood plains
Fluvial morphology
Fluvial sedimentation
Fluvial transport
Levees

Alluvial fans
BT: Fans
Landforms
RT: Alluvial deposits
Alluvial terraces
Deep-sea fans
Deposition features
Fluvial features

Alluvial terraces
BT: Landforms
Terraces
RT: Alluvial deposits
Alluvial fans
River valleys

Alluvium
USE: Alluvial deposits

Almanacs
BT: Tables
NT: Nautical almanacs

Alpha spectroscopy
USE: Spectroscopic techniques

Alternate reproduction
SN: Alternation of generations
BT: Reproduction
RT: Sporophytes

Alternative name
USE: Synonymy

Altimeters
BT: Measuring devices
NT: Laser altimeters
Radar altimeters
RT: Altimetry
Height

Altimetry
UF: Laser altimetry
NT: Radar altimetry
Satellite altimetry
RT: Altimeters
Height

Altitude
USE: Height

Aluminium
UF: Aluminum
BT: Nonmetals
RT: Aluminium compounds
Bauxite
Ferromanganese nodules

Aluminium compounds
BT: Chemical compounds

Ambient noise
UF: Background noise (sound)
Underwater ambient noise
BT: Noise (sound)
NT: Biological noise
Sediment noise
Shipping noise
Surface noise
RT: Passive sonar
Underwater noise

Americium
BT: Actinides
Transuranic elements
RT: Americium isotopes

Americium isotopes
BT: Isotopes
RT: Americium

Amination
BT: Chemical reactions
RT: Deamination

Amines
BT: Organic compounds
NT: Hexosamines
Hydroxylation
Nitroamines
Pyrrolidine
RT: Amino acids

Amino acid sequence
RT: Amino acids

Amino acids
BT: Organic acids
NT: Alanine
Arginine
Aspartic acid
Cysteine
Cystine
Glutamic acid
Glycine
Leucine
Lysine
Methionine
Ornithine
Phenylalanine
Proline
Serine
Threonine
Tyrosine
Valine
RT: Alginic acid
Amines
Amino acid sequence
Nitrogen compounds
Organic constituents
Peptides
Protein synthesis
Proteins

Ammonium
USE: Fish larvae

Ammonia
UF: Ammonium salts
BT: Nitrogen compounds
RT: Ammonium compounds
Gases
Nitrogen cycle
Nitrogen fixation
Urea
Volatile compounds

Ammonium
USE: Ammonium compounds

Ammonium chloride
BT: Ammonium compounds
Chlorides

Ammonium compounds
SN: Before 1986 search also AMMONIUM
UF: Ammonium
NT: Ammonium chloride
RT: Ammonia

Ammonium salts
USE: Ammonia

Amoebocytes
SN: Before 1982 search CELLS
BT: Cells
RT: Body fluids
Coelom
Phagocytosis

AMP
UF: Adenosine monophosphate
BT: Nucleotides
Phosphates

Amperometric titration
USE: Titration

Amphibian culture
USE: Frog culture

Amphibious species
SN: Species that are aquatic during one part of the life cycle and terrestrial during the rest of the life cycle
BT: Species
RT: Aquatic organisms

Amphibious vehicles
BT: Vehicles
RT: Hovercraft

Amphiboles
BT: Silicate minerals

Amphibolite facies
BT: Metamorphic facies
RT: Amphibolites
Amphibolites
UF: Hornblende
BT: Metamorphic rocks
RT: Amphibolite facies

Amphidromes
USE: Amphidromic systems

Amphidromic point
USE: Amphidromic systems

Amphidromic systems
UF: Amphidromes
Amphidromic point
RT: Cotidal lines

Amphihaline fish
USE: Amphihaline species
Amphihaline potamotocous species
USE: Anadromous species

Amphihaline species
SN: Aquatic species which pass periodically, at well defined stages of their life cycle, from salt to fresh water and vice versa
UF: Amphihaline fish
BT: Species
NT: Anadromous species
Catadromous species
RT: Osmoregulation
Osmotic adaptations
Salinity tolerance
Spawning migrations

Amphihaline thalassotocous species
USE: Catadromous species

Amplitude
BT: Dimensions
NT: Wave amplitude
RT: Absorption (physics)
Attenuation

Anabolism
BT: Metabolism
RT: Catabolism

Anadromous fish
USE: Anadromous species

Anadromous migrations
UF: Upstream migrations
BT: Spawning migrations
RT: Anadromous species
Brackishwater fish
Catadromous migrations
Fishways
Homing behaviour
Potadromous migrations

Anadromous species
SN: Having the habit to migrate from oceanic to coastal water or from salt water to freshwater to breed
UF: Amphihaline potamotocous species
Anadromous fish
BT: Anadromous species
RT: Anadromous migrations
Catadromous species

Anaemia
SN: Deficiency in red blood cells, haemoglobin or both
UF: Anemia
BT: Haematological diseases
RT: Erythrocytes
Haemocyanins
Haemoglobins
Nutrition disorders

Analog data records
USE: Analog records

Analog models
UF: Electronic models
BT: Models
NT: Acoustic models

Analog records
UF: Analog data records
BT: Records
NT: Bathythermograms
Echosounder profiles
Seismic profiles
Seismograms
Tidal curves
Tidal records
RT: Data converters
Digital records

Analogs
RT: Mathematical models

Analysis
SN: Use of a more specific term is recommended
NT: Biochemical analysis
Chemical analysis
Core analysis
Cost analysis
Dynamic analysis
Economic analysis
Electroanalysis
Hydrocarbon analysis
Mathematical analysis
Microbiological analysis
Response analysis
Sediment analysis
Volumetric analysis
Water analysis
Wave analysis
RT: Analytical techniques
Electrolysis
Tests

Analytical errors
BT: Errors
RT: Analytical techniques

Analytical techniques
UF: Isentropic analysis
NT: Activation analysis
Chromatographic techniques
Colorimetric techniques
Electrophoresis
Gravimetric techniques
Interferometry
Ion selective electrode analysis
Microscopy
Polarography
Spatial analysis
Spectroscopic techniques
Stripping analysis
Titration
Winkler method
RT: Analysis
Analytical errors
Automated recording
Centrifugation
Methodology

Anatomical structures
NT: Body organs
Body regions
Circulatory system
Digestive system
Integumentary system
Lymphatic system
Nervous system
Neurosecretory system
Respiratory system
Skeleton
Urinary system
RT: Anatomy
Animal physiology
Cells
Tissues

Anatomy
BT: Biology
RT: Anatomical structures
Histology
Organism morphology
Osteology
Physiology
Tomography

Anchor stations
USE: Cruise stations

Anchorage
UF: Roadsteads
NT: Harbours
RT: Anchoring

Angling
SN: Restricted to sport fishing only
BT: Sport fishing
RT: Bait fishing
Pole-line fishing

Angular distribution
BT: Optical properties

Angular momentum
BT: Momentum
RT: Conservation of angular momentum

Anhydrite
BT: Sulphate minerals
RT: Authigenic minerals
Chemical sediments
Evaporites

Animal appendages
SN: Projections of the body
UF: Appendages
NT: Antennae
Barbels
Byssus
Cilia
Limbs
Locomotory appendages
Telson
Tentacles
RT: Cephalothorax
Flagella
Thorax

Animal associations
USE: Ecological associations

Animal behaviour
USE: Behaviour

Animal body regions
USE: Body regions

Animal communication
UF: Biocommunication
Zoosemiotics
BT: Communication
RT: Behaviour
Sound production
Vocalization behaviour

Animal diseases
SN: Before 1982 search
DISEASES
UF: Aquatic animal diseases
BT: Diseases
NT: Fish diseases
RT: Aquatic animals
Environmental diseases
Nutrition disorders

Animal feed
USE: Feed

Animal fossils
BT: Fossils
NT: Fossil foraminifera
Fossil pteropods
Fossil radiolaria

Animal growth
BT: Growth

Animal head
USE: Head

Animal manure
USE: Manure

Animal metabolism
SN: Before 1982 search
METABOLISM
BT: Metabolism
RT: Animal physiology
Conversion factors

Animal migrations
USE: Migrations

Animal morphology
SN: Before 1982 search
MORPHOLOGY
(ORGANISMS)
UF: Morphology (animal)
BT: Organism morphology
RT: Animal physiology
Aquatic animals
Body regions
Body size
Animal navigation
UF: Bird navigation
Navigation (animal)
RT: Homing behaviour
Locomotion
Migrations
Navigation
Orientation

Animal navigation
UF: Finfish nutrition
Fish nutrition
Shellfish nutrition
Shrimp nutrition
Tilapia nutrition
BT: Nutrition
RT: Animal physiology
Diets
Digestion
Food consumption
Food conversion
Heterotrophy
Ingestion

Animal oil extraction
UF: Extraction (animal oil)
Oil extraction (animal)
BT: Processing fishery products
NT: Fish oil extraction
RT: Chemical extraction
Separation

Animal organs
UF: Organs (animal)
BT: Body organs
NT: Alimentary organs
Animal reproductive organs
Bladders
Excretory organs
Photophores
Respiratory organs
Sense organs
Vocal organs
RT: Animal physiology
Body regions
Tissues

Animal organs
USE: Orientation behaviour

Animal pathology
USE: Pathology

Animal physiology
SN: Before 1982 search PHYSIOLOGY
UF: Physiology (animal)
BT: Physiology
NT: Avian physiology
Fish physiology
Mammalian physiology
RT: Aestivation
Anatomical structures
Animal metabolism
Animal morphology
Animal nutrition
Animal organs
Aquatic animals
Diving physiology
Zoology

Animal plankton
USE: Zooplankton

Animal populations
UF: Populations (animal)
BT: Natural populations
NT: Spawning populations
RT: Aquatic animals
Stocks
Zoology

Animal products
UF: Aquatic animal products
NT: Coral
Guano
Manure
Pears
Shells
Sponges
RT: Aquatic animals
Waxes

Animal reproductive organs
SN: For sexual reproduction only.
Before 1982 search
REPRODUCTIVE ORGANS
(ANIMAL)
UF: Reproductive organs (animal)
Reproductive system
Sexual glands
BT: Animal organs
NT: Gonads
RT: Hermaphroditism
Imposex
Self fertilization
Sex characters
Sex reversal
Sexual reproduction
Sterility

Animal wastes
USE: Organic wastes
Animals (aquatic)
USE: Aquatic animals

Anion exchange
USE: Ion exchange

Anions
UF: Negative ions
BT: Ions
RT: Electrolysis

Anisotropic rocks
BT: Rocks
RT: Anisotropy

Anisotropy
BT: Physical properties
RT: Anisotropic rocks
Isotropic materials
Isotropy
Magnetic susceptibility
Mechanical properties
Optical properties
Orientation

Annotation
USE: Bibliographic information

Annual
BT: Periodicity
RT: Annual variations
Biennial

Annual range
BT: Extreme values
RT: Annual variations

Annual reports
BT: Report literature
RT: Progress reports

Annual variations
UF: Year to year variations
Yearly changes
BT: Periodic variations
RT: Annual
Annual range
Horizontal distribution
Regional variations
Seasonal variations

Annuli
USE: Growth rings

Anodes
BT: Electrodes
NT: Sacrificial anodes
Anodic stripping voltammetry
USE: Stripping analysis

Anomalies
SN: Use of a more specific term is recommended
NT: Dynamic height anomaly
Geoid anomalies
Gravity anomalies
Magnetic anomalies
Specific volume anomalies
Temperature anomalies

Anoxia
SN: Deficiency or absence of oxygen in the blood and tissues
BT: Oxygen depletion
RT: Aerobic respiration
Asphyxia
Hypoxia
Mortality causes
Necroses
Oxygen

Anoxic basins
SN: Water basins, without vertical circulation, characterized by a total absence of dissolved oxygen and a higher sulphides production
UF: Anoxic waters
BT: Basins
RT: Anoxic conditions
Anoxic sediments
### Dissolved oxygen
- SN: Depletion of dissolved oxygen in any specific aquatic environment
- UF: Anaerobic conditions
- RT: Anoxic basins

### Marginal seas
- Anticipated conditions

### Oxygen depletion
- SN: Depletion of dissolved oxygen in any specific aquatic environment
- UF: Anaerobic conditions
- RT: Anoxic basins

### Anoxic conditions
- SN: Depletion of dissolved oxygen in any specific aquatic environment
- UF: Anaerobic conditions
- RT: Anoxic basins

### Anoxic sediments
- UF: Anaerobic sediments
- BT: Sediments
- RT: Anoxic basins

### Anoxic waters
- USE: Anoxic basins

### Anthropic effects
- USE: Man-induced effects

### Anthropogenic factors
- SN: Influences exercised by man and his activities on an organism or biotic community
- BT: Environmental factors
- RT: Air pollution

### Antibacterial agents
- USE: Antibiotics

### Antibiotics
- UF: Antimicrobial agents
- BT: Drugs
- RT: Antihelminthic agents

### Anticorrosion material
- USE: Corrosion control

### Anticyclones
- UF: Midlatitude anticyclones
- RT: Anticyclonic motion

### Anticyclonic motion
- BT: Motion
- RT: Anticyclones

### Anti-dunes
- USE: Antifouling substances

### Antifouling coatings
- USE: Antifouling substances

### Antifouling substances
- USE: Antifouling coatings

### Antifreezes
- USE: Antifreeze agents

### Antifungals
- USE: Fungicides

### Antigens
- BT: Agents
- RT: Antihelminthic agents

### Antihelminthes pesticides
- USE: Antihelminthic agents
Antihelminthic agents  
SN: Before 1982 search PESTICIDES  
UF: Antihelminthes pesticides  
BT: Agents  
Pesticides  
RT: Antibiotics  
Parasitic diseases

Antimony  
BT: Heavy metals  
RT: Antimony isotopes

Antimony isotopes  
BT: Isotopes  
RT: Antimony

Antioxidants  
BT: Agents  
RT: Chemical compounds  
Corrosion  
Corrosion control  
Food additives  
Oxidation  
Paints

Antiparasitic agents  
SN: Before 1982 search PESTICIDES  
BT: Agents  
Pesticides  
NT: Antiprotozoal agents  
RT: Parasitic diseases

Antiprotozoal agents  
SN: Before 1982 search PESTICIDES  
UF: Protozoal pesticides  
BT: Antiparasitic agents  
RT: Antibiotics  
Protozoan diseases

Antiseptics  
USE: Disinfectants

Anti-submarine warfare  
USE: Undersea warfare

Antitoxins  
USE: Antibodies

Antitumour activity  
USE: Antitumour agents

Antitumour agents  
UF: Antitumour activity  
BT: Agents  
RT: Drugs  
Tumours

Antiviral activity  
USE: Antiviral agents

Antiviral agents  
UF: Antiviral activity  
BT: Agents  
RT: Drugs  
Viral diseases  
Viruses

Anus  
BT: Body regions

Apatite  
BT: Phosphate minerals

Aphotic zone  
SN: Not reached by sunlight  
RT: Abyssopelagic zone  
Bathypelagic zone  
Deep water  
Euphotic zone  
Light penetration  
Marine environment

Aplanospores  
USE: Spores

Appendages  
USE: Animal appendages

Application  
USE: Utilization

Appraisal  
USE: Evaluation

Appropriate technology  
BT: Technology

Approximation  
UF: Estimation  
BT: Numerical analysis  
NT: Boussinesq approximation  
Closure approximation  
Least squares method  
RT: Back calculation  
Errors  
Finite difference method  
Prediction  
Statistical analysis

Aquaculture  
UF: Aquaculture industry  
Aquatic agriculture  
Aquiculture  
NT: Brackishwater aquaculture  
Freshwater aquaculture  
Marine aquaculture  
RT: Aquaculture development  
Aquaculture economics  
Aquaculture engineering  
Aquaculture facilities  
Aquaculture products  
Aquaculture regulations  
Aquaculture statistics  
Aquaculture systems  
Aquaculture techniques  
Aquaculturists  
Aquatic sciences  
Breeding  
Brood care  
Culture effects  
Cultured organisms  
Cultures  
Rearing  
Stocking (organisms)

Aquaculture development  
BT: Resource development  
RT: Aquaculture  
Aquaculture economics  
Aquaculture enterprises  
Aquaculture regulations  
Aquaculture systems  
Aquaculture techniques  
Development projects  
Experimental culture

Aquaculture economics  
SN: Before 1982 search FISHERY ECONOMICS  
UF: Farmed fish economics  
Fish culture economics  
BT: Fishery economics  
RT: Aquaculture  
Aquaculture development  
Aquaculture enterprises  
Aquaculture statistics

Aquaculture effluents  
USE: Effluents (aquaculture)  
BT: Effluents

Aquaculture engineering  
BT: Engineering  
RT: Aquaculture  
Fishery engineering

Aquaculture enterprises  
USE: Aquaculture industries  
Commercial aquaculture  
BT: Industries  
RT: Aquaculture development  
Aquaculture economics  
Aquaculture systems

Aquaculture equipment  
BT: Equipment  
RT: Aquaculture facilities  
Aquaria  
Cages  
Culture tanks  
Feeding equipment  
Harvesting machines  
Recirculating systems  
Screens  
Water pumps

Aquaculture facilities  
NT: Hatcheries  
RT: Aquaculture  
Aquaculture equipment  
Aquaculture techniques  
Artificial lakes  
Desalination plants  
Fish ponds  
Water reservoirs  
Aquaculture industries  
USE: Aquaculture enterprises

Aquaculture industry  
USE: Aquaculture
Aquaculture law
USE: Aquaculture regulations

Aquaculture licensing
USE: Aquaculture regulations

Aquaculture products
SN: Organisms or products derived from aquaculture practices
BT: Products
RT: Aquaculture
Cultured organisms
Fishery products

Aquaculture regulations
UF: Aquaculture law
Agriculture licensing
BT: Legislation
RT: Aquaculture
Aquaculture development

Aquaculture sites
USE: Site selection

Aquaculture statistics
SN: Referring to statistical data on cultivated aquatic organisms and harvested products
BT: Fishery statistics
RT: Aquaculture
Aquaculture development

Aquaculture systems
NT: Open systems
Recirculating systems
RT: Aquaculture
Aquaculture development
Aquaculture enterprises
Aquaculture techniques
Cultures

Aquaculture techniques
NT: Aquarium culture
Batch culture
Bottom culture
Cage culture
Continuous culture
Extensive culture
Hybrid culture
Intensive culture
Mass culture
Monoculture
Monosex culture
Off-bottom culture
Overwintering techniques
Polyculture
Pond culture
Raceway culture
Raft culture
Silo culture
Thermal aquaculture
Tray culture
Valliculture
Warm-water aquaculture
Wastewater aquaculture
RT: Agropisciculture

Aquaculture
Aquaculture development
Aquaculture facilities
Aquaculture systems
Artificial aeration
Cultures
Habitat improvement
Induced breeding
Rearing
Rice field aquaculture
Selective breeding
Small scale aquaculture
Stocking (organisms)

Aquaculturists
BT: Technicians
RT: Aquaculture

Aquaria
UF: Aquarium systems
Oceanaria
RT: Aquaculture equipment
Ariology
Aquarium culture
Continuous culture
Ornamental fish
Water filtration
Water pumps

Aquariology
RT: Aquaria
Artificial aeration

Aquarium culture
BT: Aquaculture techniques
RT: Aquaria
Fish culture
Ornamental fish

Aquarium fish
USE: Ornamental fish

Aquarium systems
USE: Aquaria

Aquaculture
USE: Aquaculture

Aquatic animal diseases
USE: Animal diseases

Aquatic animal products
USE: Animal products

Aquatic animals
SN: Any microscopic or macroscopic animal organisms living permanently or developing a part of their life cycle in an aquatic environment
UF: Animals (aquatic)
Aquatic fauna
BT: Aquatic organisms
Fauna
NT: Aquatic birds
Aquatic insects
Aquatic mammals

Aquatic biologists
USE: Biologists

Aquatic biology
USE: Hydrobiology

Aquatic birds
UF: Birds (aquatic)
BT: Aquatic animals
NT: Marine birds
RT: Avian physiology
Feathers
Flight behaviour
Flying
Imprinting
Ornithology
Wings

Aquatic botanical resources
USE: Botanical resources

Aquatic communities
UF: Communities (ecological)
NT: Benthos
Epipsammon
Neuston
Periphyton
Plankton
Psammon
Seston
RT: Aquatic environment
Aquatic organisms
Biocoenosis
Biological charts
Biotas
Brackishwater ecology
Climax community
Community composition
Ecological associations
Ecological succession
Ecosystems
Freshwater ecology
Habitat
Marine ecology
Niches
Organism aggregations
Syneology
Aquatic drugs
SN: Drugs of aquatic origin and their medical uses
BT: Drugs

Aquatic ecology
USE: Ecology

Aquatic environment
SN: Environment of all types of hydrosphere
BT: Environments
NT: Benthic environment
Brackishwater environment
Epontic environment
Inland water environment
Interstitial environment
Marine environment
Pelagic environment
RT: Aquatic communities
Aquatic sciences
Biotopes
Environment management
Environmental degradation
Environmental surveys
Habitat
Water
Water bodies

Aquatic fauna
USE: Aquatic animals

Aquatic habitat
USE: Habitat

Aquatic insects
SN: Restricted to aquatic insects and their larvae
UF: Insects (aquatic)
BT: Aquatic animals
RT: Boring organisms
Entomology
Food organisms
Insect eggs
Insect larvae
Wings

Aquatic living resources
USE: Living resources

Aquatic mammals
UF: Mammals (aquatic)
BT: Aquatic animals
NT: Marine mammals
RT: Cetology
Mammalian physiology
Mammalogists
Mammalogy
Stranding

Aquatic natural resources
USE: Natural resources

Aquatic organisms
SN: Use of a more specific term is recommended
UF: Organisms (aquatic)
NT: Aquatic animals
Aquatic plants
Boring organisms
Burrowing organisms
Cultured organisms
Dangerous organisms
Estuarine organisms
Food organisms
Fouling organisms
Freshwater organisms
Heterotrophic organisms
Luminous organisms
Marine organisms
Noxious organisms
Test organisms
Tube dwellers
RT: Amphibiotic species
Aquatic communities
Microorganisms
Organism aggregations
Species

Aquatic plant culture
USE: Plant culture

Aquatic plant resources
USE: Botanical resources

Aquatic plant utilization
USE: Plant utilization

Aquatic plants
SN: Any microscopic or macroscopic vegetal organism living in aquatic environment, excluding bacteria and viruses
UF: Hydrophytes
BT: Aquatic animals
RT: Algae
Plants (aquatic)

Aquatic sciences
NT: Freshwater sciences
Limnology
Marine sciences
RT: Aquaculture
Aquatic environment
Earth sciences
Hydrosphere

Aquatic reptiles
UF: Freshwater turtles
Marine turtles
Reptiles (aquatic)
BT: Aquatic animals
RT: Herpetology
Reptile culture

Aquatic reptiles
USE: Plant control

Aquatic weed utilization
USE: Plant utilization

Aquatic weeds
USE: Weeds

Aquiculture
USE: Aquaculture

Arabinose
BT: Monosaccharides
RT: Aldehydes

Arachidonic acid
BT: Organic acids

Aragonite
BT: Carbonate minerals
RT: Calcium carbonates
Pteropod ooze

Archaeology
UF: Archeology
Marine archaeology
Nautical archaeology
RT: Fossils
Hydrographic surveys
Palaeontology

Archaeology
USE: Precambrian

Archipelagic waters
USE: Archipelagoes

Archipelagoes
UF: Archipelagic waters
RT: Islands

Archives
RT: Historical account
Libraries
Archivists
USE: Librarians

Arcs (island)
USE: Island arcs

Arctic environment
USE: Arctic zone

Arctic sea smoke
USE: Fog

Arctic waters
USE: Polar waters

Arctic zone
UF: Arctic environment
BT: Polar zones
RT: Permafrost

Area
UF: Surface area
BT: Dimensions
RT: Hypsometric curves
Size
Surfaces

Arenites
BT: Clastics
Placers
Sand
Sandstone

Argillaceous deposits
RT: Clays
Lutites
Marl
Marlstone
Sediments
Slates

Arginine
BT: Amino acids

Argon
BT: Rare gases
RT: Argon isotopes

Argon isotopes
BT: Isotopes
RT: Argon
Potassium-argon dating

Arid environments
NT: Deserts
RT: Climatic zones
Droughts
Playas
Sabbkas

Arkshell fisheries
USE: Clam fisheries

Aroma
USE: Odour

Aromatic compounds
USE: Aromatics

Aromatic hydrocarbons
SN: Before 1982 search also AROMATICS
UF: Monocyclic hydrocarbons
Polycyclic hydrocarbons
BT: Unsaturated hydrocarbons
NT: Benzene
Naphthalene
PCB
Xylene

Aromatics
UF: Aromatic compounds
NT: Phenols
RT: Chemical compounds
Organic compounds

Arrays
NT: Acoustic arrays
Current meter arrays
Seismic arrays
Thermistor chains
Thermocouple arrays

Arsenates
BT: Arsenic compounds

Arsenic
BT: Heavy metals
RT: Arsenic compounds

Arsenic compounds
BT: Chemical compounds
NT: Arsenates
RT: Antifouling substances
Arsenic

Artificial aeration
SN: Aeration systems used in aquaria, aquaculture, diving and lakes
BT: Aeration
RT: Aquaculture techniques
Aquariology
Bubble disease
Gases
Habitat improvement (chemical)

Artificial artificial feeding
BT: Feeding
NT: Selective feeding
RT: Balanced rations
Diets
Feed composition
Feeding experiments
Rearing

Artificial artificial habitats
USE: Underwater habitats

Artificial artificial intelligence
UF: Expert systems
RT: Computer programs

Artificial artificial islands
BT: Offshore structures
NT: Ice rafts
Sand structures
RT: Ice islands
Islands

Artificial artificial lakes
UF: Man-made lakes
BT: Lakes
RT: Aquaculture facilities
Water reservoirs

Artificial artificial manure
USE: Manure

Artificial artificial rearing
USE: Rearing

Artificial artificial reefs
SN: Artificial structures introduced or built in marine or brackish coastal waters creating a sheltered space for fishing or aquaculture
UF: Reefs (artificial)
BT: Offshore structures
RT: Artificial spawning grounds
Habitat improvement (physical)
Reef fish
Reef fisheries
Reefs
Shelters
Artificial satellites
USE: Satellites

Artificial sea grass
BT: Sea grass

Artificial seawater
UF: Synthetic sea water
RT: Sea water
Standard sea water

Artificial seaweed
UF: Seaweed (artificial)
RT: Seaweed
Seaweed

Artificial shelters
USE: Shelters

Artificial spawning
USE: Induced breeding

Artificial spawning grounds
SN: Any man-made arrangement put into water bodies for fish to spawn
BT: Spawning grounds
RT: Artificial reeals
Shelters

Artificial substrata
BT: Substrata
NT: Cultch
RT: Algal settlements
Settling behaviour

Artificial upwelling
BT: Upwelling
RT: OTEC
Temperature differences
Thermal power

Artisanal aquaculture
USE: Small scale aquaculture

Artisanal fishing
SN: Mainly for local human food subsistence using primitive gears and vessels
UF: Small scale fishing
BT: Fishing
RT: Artisanal whaling
Canoe fisheries
Coastal fisheries
Estuarine fisheries
Handlining
Lagoon fisheries
Lake fisheries
River fisheries

Artisanal whaling
UF: Shore whaling
BT: Whaling
RT: Artisanal fishing

Asbestos
RT: Insulating materials

Ascorbic acid
USE: Vitamin C

Ascospores
USE: Spores

ASCP
USE: Single cell proteins

Asdic
USE: Sonar

Aseismic margins
USE: Passive margins

Aseismic ridges
BT: Submarine ridges
RT: Seismic ridges

Aseismic zones
BT: Earth structure
RT: Seismic zones

Asexual reproduction
BT: Reproduction
NT: Budding
RT: Clones
Cloning
Conidia
Gemmulles
Plant reproductive structures
Sporangia
Spores
Vegetative reproduction

Ash content
RT: Ashes

Ash layers
RT: Ashes
Tephra

Ashes
NT: Fly ash
Volcanic ash
RT: Ash content
Ash layers

Aspartic acid
BT: Amino acids

Asphalt
BT: Petroleum hydrocarbons
RT: Oil sands
Petroleum residues

Asphyxia
SN: State of suspended animation as a result of deficiency of oxygen in the blood
UF: Suffocation
RT: Anoxia
Hypercapnia
Mortality causes

Assemblages
USE: Ecological associations

Assembling
USE: Construction

Assimilation (food)
USE: Food conversion

Associated species
SN: Species which have a predator/prey or competitive relationship with the exploited species
UF: Dependent species
Interdependent species
BT: Species
RT: Competition
Interspecific relationships
Intraspecific relationships
Predation

Association constants
BT: Constants

Associations
USE: Organizations

Associations (animal)
USE: Ecological associations

Associations (ecological)
USE: Ecological associations

Astaciculture
USE: Crayfish culture

Astronomical tides
UF: Highest astronomical tides
Lowest astronomical tides
BT: Tides
RT: Extreme values
Tidal amplitude

Astronomy
RT: Celestial navigation
Earth orbit
Moon
Moon phases
Satellites
Solar activity
Solar eclipse
Solar radiation
Sun
Atmosphere
USE: Earth atmosphere
Atmosphere (life support)
USE: Life support systems
Atmosphere (planetary)
USE: Planetary atmospheres
Atmosphere evolution
SN: Evolution of planetary atmospheres
UF: Evolution (atmosphere)
RT: Atmospheric chemistry
Earth history
Geochemistry
Planetary atmospheres
Seawater evolution
Atmosphere-ocean system
USE: Ocean-atmosphere system
Atmospheric aerosols
USE: Aerosols
Atmospheric boundary layer
UF: Air-water boundary layer
Planetary boundary layer
Surface boundary layer
BT: Boundary layers
RT: Air-water interface
Atmospheric fronts
Atmospheric turbulence
Cellular convection
Moisture transfer
Momentum transfer
Troposphere
Wave interactions
Wind profiles
Wind stress
Atmospheric chemistry
UF: Atmospheric composition
BT: Atmospheric sciences
Chemistry
RT: Air pollution
Air sampling
Atmosphere evolution
Atmospheric gases
Atmospheric particulates
Climatic changes
Earth atmosphere
Atmospheric circulation
UF: General circulation
(ambient)
BT: Atmospheric motion
Circulation
Atmospheric composition
USE: Atmospheric chemistry
Atmospheric conditions
USE: Weather
Atmospheric convection
BT: Convection
RT: Atmospheric motion
Atmospheric convergences
BT: Convergence zones
NT: Intertropical convergence zone
Polar fronts
RT: Atmospheric fronts
Atmospheric depressions
NT: Tropical depressions
RT: Weather
Atmospheric diffusion
BT: Diffusion
RT: Turbulent diffusion
Atmospheric disturbances
SN: Use of a more specific term is recommended
RT: Air masses
Atmospheric fronts
Atmospheric motion
High pressure ridges
High pressure systems
Low pressure systems
Meteorology
Tornadoes
Tropical depressions
Atmospheric electrical phenomena
USE: Atmospheric electricity
Atmospheric electricity
UF: Atmospheric electrical phenomena
Aurora
St Elmo's fire
BT: Electricity
NT: Lightning
RT: Atmospheric physics
Ionoosphere
Atmospheric fallout
USE: Fallout
Atmospheric forcing
UF: Meteorological forcing
RT: Atmospheric pressure
Hurricanes
Mixed layer depth
Oceanic response
Response time
Surface mixed layer
Thermal structure
Wind stress
Atmospheric fronts
UF: Cold fronts
Fronds (meteorology)
Meteorological fronts
Occluded fronts
Warm fronts
BT: Fronts
RT: Air masses
Atmospheric boundary layer
Atmospheric disturbances
Frontal features
Meteorology
Troposphere
Weather forecasting
Atmospheric gases
BT: Gases
NT: Carbon dioxide
Hydrogen
Nitrogen
Oxygen
Ozone
RT: Atmospheric chemistry
Atmospheric motion
UF: Air motion
BT: Motion
NT: Atmospheric circulation
Winds
RT: Air flow over land
Air flow over water
Atmospheric convection
Atmospheric disturbances
Earth atmosphere
Fluid dynamics
Heat transport
Horizontal motion
Lee waves
Meteorology
Planetary waves
Vertical motion
Vorticity
Waterspouts
Atmospheric optical phenomena
UF: Mirages
RT: Atmospheric physics
Haze
Light
Optics
Visibility
Atmospheric particulates
UF: Dust (atmospheric)
Particulate matter (air)
Particulates (atmospheric)
BT: Particulates
NT: Salt particles
RT: Aerosols
Air pollution
Air sampling
Atmospheric chemistry
- Dust
- Fallout
- Fly ash
- Pollen
- Smoke
- Spores

Atmospheric physics
- UF: Aeronomy
- BT: Atmospheric sciences
- NT: Cloud physics
- RT: Atmospheric electricity
- Atmospheric optical phenomena
- Earth atmosphere
- Meteorology

Atmospheric polar fronts
USE: Polar fronts

Atmospheric pollution
USE: Air pollution

Atmospheric precipitations
SN: Before 1982 use PRECIPITATIONS (ATMOSPHERIC)
UF: Precipitation (atmospheric)
BT: Hydrometeors
NT: Hail
RT: Clouds
- Meteorology
- Water resources
- Weather

Atmospheric pressure
- UF: Barometric pressure
- Pressure (atmospheric)
- BT: Pressure
- NT: Sea level pressure
- RT: Anticyclones
- Atmospheric forcing
- Barometers
- Earth atmosphere
- High pressure systems
- Hypsometry
- Low pressure systems
- Meteorology
- Pressure field
- Radiosondes
- Sigma-T
- Weather
- Weather forecasting
- Winds

Atmospheric radiation
USE: Downward long wave radiation

Atmospheric sciences
- BT: Earth sciences
- NT: Atmospheric chemistry
- Atmospheric physics
- Climatology
- Meteorology

Atmospheric tides
- SN: Tidal motion in the atmosphere
- UF: Tides (atmospheric)
- BT: Tidal motion
- RT: Earth tides
- Meteorological tides
- Tides

Atmospheric turbidity
USE: Haze

Atmospheric turbulence
- UF: Clear air turbulence
- BT: Turbulence
- NT: Gusts
- RT: Atmospheric boundary layer
- Atmospheric motion
- Laminar flow
- Turbulence measurement
- Winds

Atoll lagoons
- BT: Lagoons
- RT: Atolls

Atolls
- UF: Coral islands
- BT: Islands
- RT: Atoll lagoons
- Coral
- Coral reefs

Atomic absorption spectroscopy
USE: Absorption spectroscopy

Atomic energy
USE: Nuclear energy

Atomic fluorescence spectroscopy
USE: Fluorescence spectroscopy

Atomic physics
USE: Nuclear physics

Atomic power plants
USE: Nuclear power plants

ATP
- UF: Adenosine triphosphate
- BT: Nucleotides
- Phosphates

Attachment (biological)
USE: Biological attachment

Attachment (lampreys)
USE: Lamprey attachment

Attachment (parasites)
USE: Parasite attachment

Attachment organs
- BT: Body organs
- RT: Biological attachment

Attenuation
- BT: Optical properties
- RT: Extinction coefficient

Light attenuation
Transmittance

Attenuation
SN: Use of a more specific term is recommended
NT: Light attenuation
Seismic attenuation
Wave attenuation
RT: Absorption (physics)
Amplitude
Damping
Signal-to-noise ratio
Transmission
Wave motion

Attenuation (light)
USE: Light attenuation

Attenuation (water waves)
USE: Wave attenuation

Attenuation coefficient
USE: Extinction coefficient

Attracting techniques
SN: Use of artificial or natural objects or artificial stimuli (light, electricity, etc.) to attract and concentrate fish and other aquatic animals for fishing purposes
UF: Fish attracting
Luring
RT: Bait fishing
Catching methods
Fish aggregating devices

Audio recordings
- UF: Gramophone records
- Sound recordings
- Tape recordings (sound)
- BT: Audiovisual materials
- RT: Magnetic tape recordings
- Records
- Sound recorders

Audiovisual materials
- UF: Visual aids
- NT: Audio recordings
- Films
- Filmstrips
- Graphics
- Photographs
- Satellite mosaics
- Slides (photographic)
- Videotape recordings
- RT: Documents
- Magnetic tapes
- Scale models
- Training aids

Audition
- BT: Sense functions
- RT: Auditory organs
- Auditory stimuli
- Sound production
Auditory organs
UF: Ears
Phonoreceptors
BT: Sense organs
RT: Audition
Auditory stimuli
Echolocation
Mechanical stimuli
Sound production
Vocalization behaviour

Auditory stimuli
BT: Stimuli
RT: Audition
Auditory organs
Sound production
Vocalization behaviour

Augite
BT: Pyroxenes

Aurora
USE: Atmospheric electricity

Austausch coefficients
USE: Exchange coefficients

Autecology
SN: Ecological study of a single individual or many individuals of a given species
BT: Ecology
RT: Biological rhythms
Life history
Migrations

Authigens
USE: Authigenic minerals

Authigenesis
BT: Diagenesis
RT: Authigenic minerals

Authigenic minerals
UF: Authigens
Authigenic sediments
BT: Sediments
NT: Evaporites
Ironstone
RT: Anhydrite
Authigenesis
Chemical sediments
Gypsum
Halite
Phosphate deposits
Phosphorite
Submarine cements

Authigenic sediments
USE: Authigenic minerals

Autobiographies
USE: Biographies

Autochthonous deposits
RT: Allochthonous deposits
Biogenic deposits
Sediments

Autocorrelation
UF: Autocorrelation functions
BT: Correlation analysis
RT: Cross correlation

Autocorrelation functions
USE: Autocorrelation

Autolysis
SN: Self digestion by the action of enzymes
BT: Chemical reactions
RT: Degradation
Enzymes

Automated cartography
UF: Computer aided cartography
BT: Cartography
RT: Automated recording
Automation

Automated data processing
USE: Data processing

Automated recording
SN: Automated techniques for determination of physico-chemical properties of water
UF: Automated techniques
RT: Analytical techniques
Automated cartography
Automation

Autoradiographic techniques
USE: Autoradiography

Autoradiography
UF: Autoradiographic techniques
BT: Radiography
RT: Radioactive tracers

Autotomy
SN: Voluntary separation of a part of the body
RT: Protective behaviour
Regeneration

Autotrophy
BT: Nutritional types
RT: Plant nutrition

Autumn
UF: Fall
Fall season
BT: Seasons

Auxins
BT: Growth regulators
RT: Phytohormones
Plant physiology

Availability
SN: Use of a more specific term is recommended
NT: Commercial availability
Food availability
Resource availability
RT: Abundance

Available potential energy
USE: Potential energy

Avian physiology
SN: Before 1982 search
PHYSIOLOGY
UF: Bird physiology
BT: Animal physiology
RT: Aquatic birds

Avitaminosis
USE: Vitamin deficiencies

Avoidance
USE: Avoidance reactions

Avoidance reactions
SN: Before 1982 search
AVOIDANCE
UF: Avoidance
Net avoidance
RT: Behaviour
Catchability
Escape
Migrations

AXBTs
UF: Air-deployed expendable bathythermographs
BT: XBTs
RT: Airborne equipment

Axenic culture
SN: Growth of organisms of a single species in the absence of cells or living organisms of any other species
RT: Monoculture
Axons
USE: Neurons

Azimuth
RT: Direction

Azines
BT: Organic compounds
NT: Pyridines
Pyrimidines
Quinolines

Back calculation
RT: Approximation

Back-arc basins
USE: Marginal basins

Background noise (sound)
USE: Ambient noise

Backrush
USE: Backwash

Backscatter
UF: Sound backscatter
BT: Sound scattering
RT: Forward scattering
Reverberation
Scatterometers

Backshore
USE: Beach features

Backwash
UF: Backrush
RT: Wave effects
Wave runup
Waves on beaches

Backwaters
SN: Water held back from the main flow of a river
RT: Dams
Lagoons
Stream flow
Water reservoirs

Bacteria
SN: Use of a more specific term is recommended. In ASFA-1, use as taxonomic descriptor; in ASFA-2, use as subject descriptor
BT: Microorganisms
NT: Aerobic bacteria
Anaerobic bacteria
Pathogenic bacteria
RT: Agglutinins
Antigens
Bacteria collecting devices
Bacterial counters
Bacterial filtration
Bacterins
Bacteriology
Bacteriophages
Bioerosion
Decomposers
Endotoxins
Filter feeders
Food poisoning
Nannoplankton
Single cell proteins
Spores

Bacteria collecting devices
BT: Collecting devices
RT: Bacteria

Bacterial counters
BT: Counters
RT: Bacteria
Bacteriology

Bacterial diseases
UF: Bacterioses
BT: Infectious diseases
NT: Botulism
Tuberculosis
Vibrios
RT: Antibiotics
Bacterins
Bacteriology
Boil disease
Endotoxins
Gill disease
Immunization
Pathogenic bacteria
Peduncle disease
Redmouth disease

Bacterial filtration
BT: Filtration
RT: Bacteria

Bacterial gill disease
USE: Gill disease
Bacterial haemorrhagic septicaemia
USE: Septicaemia
Bacterial vaccines
USE: Vaccines

Bactericides
USE: Bactericides

Bacterins
BT: Vaccines
RT: Bacteria
Bacterial diseases
Pathogens

Bacteriophages
UF: Bactericides
BT: Pesticides
RT: Antibiotics
Bacteriology

Bacteriology
BT: Microbiology
RT: Bacteria
Bacterial counters
Bacterial diseases

Bacterioplankton
USE: Nannoplankton

Bacteriodes
USE: Bacterial diseases

Baffles (sound)
USE: Acoustic insulation

Bait
SN: Including natural (dead or living) and artificial baits (lures, chemical baits, etc.)
UF: Fishing bait
Lures
RT: Bait fish
Bait fishing
Hooks
Line fishing
Trap fishing

Bait culture
SN: Before 1982 search FISH CULTURE
UF: Bait farming
Bait fish culture
BT: Fish culture
RT: Bait fish
Bait fisheries
Brackishwater aquaculture
Freshwater aquaculture
Hatcheries
Worm culture

Bait farming
USE: Bait culture

Bait fish
BT: Fish
RT: Bait
Bait culture
Bait fisheries
Bait fishing

Bait fisheries
BT: Fisheries
RT: Bait culture
Bait fish
Clupeoid fisheries
Bait fishing
BT: Fishing
RT: Angling
Attracting techniques
Bait
Bait fish
Ice fishing
Line fishing
Purse seining
Trap fishing

Balance (ecological)
USE: Ecological balance

Balance of nature
USE: Ecological balance

Balance organs
BT: Sense organs
NT: Statocysts

Balanced diet
BT: Diets
RT: Balanced rations
Nutritional requirements

Balanced polymorphism
USE: Biopolymorphism

Balanced rations
RT: Artificial feeding
Balanced diets
Nutritional requirements
Nurtive value

Baleens
UF: Whalebones
BT: Mouth parts

Ballast
RT: Ballast tanks
Buoyancy
Buoyancy floats
Floating
Loads (forces)
Stability

Ballast tanks
RT: Ballast
Underwater vehicles

Balloons
UF: Meteorological balloons
BT: Wind measuring equipment
RT: Meteorological instruments
Radiosondes

Banks (financial)
USE: Financial institutions

Banks (topography)
BT: Topographic features
NT: Embankments
Mud banks
River banks
Sand banks
Submarine banks

Barbels
BT: Animal appendages
RT: Tactile organs

Barges
SN: Do not use for drilling structures
BT: Surface craft
NT: Crane barges
Pipe-laying barges
RT: Floating structures
Pontoon
Towing
Work platforms

Barite
BT: Sulphate minerals
RT: Barium
Placers

Barium
BT: Alkaline earth metals
RT: Barite
Barium compounds
Barium isotopes
Magnesium

Barium compounds
BT: Alkaline earth metal compounds
RT: Barium

Barium isotopes
BT: Isotopes
RT: Barium

Baroclinic field
BT: Fields
RT: Baroclinic mode
Baroclinic motion
Baroclinic flow
USE: Baroclinic motion

Baroclinic instability
BT: Instability
RT: Baroclinic mode
Baroclinic motion
Barotropic instability
Energy transfer
Mesoscale eddies
Potential vorticity
Rossby parameter

Baroclinic mode
UF: Baroclinicity
Baroclinity
BT: Modes
RT: Baroclinic field
Baroclinic instability
Baroclinic mode
Barotropic motion
Internal tides
Stratified flow

Barotropic field
BT: Fields
RT: Barotropic mode
Barotropic motion

Barotropic instability
BT: Instability
RT: Baroclinic instability
Barotropic mode
Energy transfer
Potential vorticity
Unsteady flow

Barotropic mode
UF: Barotropy
BT: Modes
RT: Baroclinic field
Baroclinic instability
Baroclinic mode
Barotropic motion
Conservation of vorticity
Isobaric surfaces
Isopycnic surfaces
Stratification
Barotropic motion
UF: Barotropic flow
Barotropic waves
BT: Fluid motion
RT: Baroclinic motion
Barotropic field
Barotropic mode
Barotropic tides
BT: Tides
RT: Barotropic motion
Barotropic waves
USE: Barotropic motion
Barotropy
USE: Barotropic mode

Barrages
SN: Fixed structures built for the purpose of containing water for irrigation, power generation, recreation, flood control, etc.
BT: Hydraulic structures
NT: Dams
Enclosures
Tidal barrages
Weirs
RT: Barriers
Coastal structures
Containment

Barrier beaches
BT: Beaches
RT: Barrier islands
Barrier spits
Nearshore bars

Barrier islands
BT: Coastal landforms
Islands
RT: Barrier beaches
Barrier reefs
Barrier spits
Beach accretion
Coastal lagoons
Deposition features
Tidal inlets

Barrier nets
SN: Usually constructed in tidal waters and made of various materials (stakes, branches, reeds, netting, etc.). Differ from fixed gillnets which, when the tide ebbs, may eventually allow the fish not entangled or gilled to pass freely underneath their bottom line. Include: Fences, Weirs, Corrals
USE: Fishing barriers

Barrier reefs
BT: Coral reefs
RT: Barrier islands
Fringing reefs
Lagoons

Barrier spits
UF: Bay barriers
Nehrung
BT: Spits
RT: Barrier beaches
Barrier islands
Bays
Coastal lagoons

Barriers
SN: Use of a more specific term is recommended
NT: Bubble barriers
Fishing barriers
Floating barriers
Ice barriers
Storm surge barriers
RT: Barrages
Biotic barriers
Breakwaters
Containment
Barriers (biological)
USE: Biotic barriers
Barriers (fishing)
USE: Fishing barriers
Bars
USE: Nearshore bars

Basaltic glass
USE: Volcanic glass
Basaltic lava
USE: Basalts
Basaltic layer
USE: Sima

Basalts
UF: Basaltic lava
BT: Volcanic rocks
NT: Alkali basalts
Oceanite
Tholeiite
Tholeiitic basalt
RT: Lava

Basalt-seawater interaction
BT: Hydrothermal activity
RT: Hydrothermal alteration
Palagonite

Baseline studies
SN: Studies conducted in advance of an anticipated environmental change or for long-term comparison of environmental or ecological conditions
UF: Baseline surveys
Ecological baseline studies
RT: Long-term changes
Monitoring
Surveys
Baseline surveys
USE: Baseline studies

Basement (geology)
USE: Basement rock

Basement rock
UF: Basement (geology)
BT: Earth structure
RT: Earth crust
Moho
Rocks

Basic diets
BT: Diets
Basidiospores
USE: Spores

Basins
SN: Use of a more specific term is recommended
NT: Anoxic basins
Lake basins
Ocean basins
River basins
Sedimentary basins
Structural basins
RT: Topographic features
Basket culture
USE: Cage culture

Batch culture
SN: Culture of organisms in homogeneous developmental stages
BT: Aquaculture techniques
RT: Continuous culture
Culture tanks
Hatcheries
Seed production
Batch processing
USE: Data processing
Batfish
USE: Undulators

Bathing
SN: Before 1982 search
RECREATIONAL SWIMMING
UF: Recreational swimming
Swimming (recreation)
BT: Recreation
RT: Drowning
Surfing

Batholiths
BT: Igneous intrusions
RT: Igneous dikes
Igneous rocks
Plutos

Bathyal zone
SN: Zone between 500 and 1000 m depth
RT: Bathyal-benthic zone
Bathypelagic zone
Pelagic environment
Bathyal-benthic zone
SN: Benthic regions between 500 and 1000 m depth
BT: Benthic environment
RT: Bathyal zone
Bathypelagic zone
Mesopelagic zone
Bathyogenesis
USE: Epeirogeny

Bathymeters
BT: Measuring devices
NT: Laser bathymeters
RT: Bathymetry
Bathymetric charts
Depth recorders
Oceanographic equipment
Water depth

Bathymetric charts
BT: Hydrographic charts
RT: Bathymetric data
Bathymetric profiles
Bathymetric surveys
Bathymetry
Geological maps
Isobaths
Topographic maps
Vertical distribution
Water depth

Bathymetric data
BT: Oceanographic data
NT: Soundings
RT: Bathymetric charts
Bathymetric profiles
Bathymetry
Geological data
Limnological data
Water depth

Bathymetric distribution
USE: Vertical distribution

Bathymetric observations
USE: Soundings

Bathymetric profiles
BT: Hydrographic sections
RT: Bathymetric charts
Bathymetric data
Bathymetry
Echosounder profiles
Horizontal profiles
Water depth

Bathymetric surveys
BT: Hydrographic surveys
RT: Bathymetric charts
Bathymetry
Cartography
Water depth

Bathymetry
SN: To be used only for the operation of measuring water depth, i.e. surface to seabed
UF: Depth sounding (water)
BT: Bathymetry
Sounding (water depth)
Water depth measurement
RT: Bathymeters
Bathymetric charts
Bathymetric data
Bathymetric profiles
Bathymetric surveys
Bottom topography
Deep water
Echosounding
Hydrographic surveys
Hydrography
Isobaths
Morphometry
Seafloor mapping
Sounding lines
Soundings
Water depth

Bathypelagic zone
SN: Waters between about 500 and 4000 m depth
BT: Oceanic province
RT: Apliotic zone
Bathyal zone
Bathyal-benthic zone
Pelagic environment

Bathyspheres
BT: Observation chambers
RT: Underwater exploration

Bathythermograms
BT: Analog records
RT: Bathythermographic data
Bathythermographs

Bathythermographic data
BT: Oceanographic data
RT: Bathythermograms
Bathythermographs
Temperature sections
Water depth

Bathythermographs
SN: Devices used to record water temperature as a function of depth
UF: Mechanical
bathythermographs
BT: Profilers
NT: XBTs
RT: Bathymeters
Bathythermograms
Bathythermographic data
Depth recorders
Limnological equipment
Thermometers
Water depth
Water temperature

Batteries
UF: Electric batteries
BT: Electric power sources
RT: Electrical equipment
Electromagnetic power

Bauxite
BT: Oxide minerals
RT: Aluminium
Clay minerals

Bay barriers
USE: Barrier spits

Bay dynamics
BT: Shelf dynamics
RT: Bays
Estuarine dynamics
Nearshore dynamics
Wave dynamics

Bays
BT: Coastal inlets
RT: Barrier spits
Bay dynamics
Estuaries
Inlets (waterways)

Beach accretion
BT: Accretion
NT: Beach nourishment
RT: Barrier islands
Beach erosion
Beach features
Beach morphology
Beach ridges
Beaches
Berms
Deposition features
Progradation

Beach berms
USE: Berms

Beach cusps
BT: Beach features
RT: Edge waves
Longshore currents
Rip currents
Shoaling
Shoaling waves
Swell

Beach erosion
BT: Coastal erosion
RT: Beach accretion
Beach features
Beach morphology
Beaches
Coast defences
Dune stabilization
Groynes
Shore protection
Tidal effects
Wave effects
Beach face
USE: Foreshore

Beach features
UF: Backshore
BT: Topographic features
NT: Beach cusps
Beach ridges
Berms
Dunes
Foreshore
Nearshore bars
Rip channels
Runnels
Spits
Surf zone
Tombolos
Wave-cut platforms
RT: Beach accretion
Beach erosion
Beach morphology
Beach slope
Beaches
Bed forms
Headlands
Sand ripples

Beach gradient
USE: Beach slope

Beach morphology
UF: Beach processes
BT: Coastal morphology
RT: Beach accretion
Beach erosion
Beach features
Beach nourishment
Beach profiles
Beaches
Terraces

Beach nourishment
BT: Beach accretion
RT: Beach morphology
Longshore sediment transport

Beach platforms
USE: Wave-cut platforms

Beach processes
USE: Beach morphology

Beach profiles
BT: Horizontal profiles
RT: Beach morphology
Beach slope
Beaches
Break-point bars
Topographic surveying
Wave effects

Beach ridges
BT: Beach features
NT: Cheniers
RT: Beach accretion
Deposition features
Shingle

Beach rock
USE: Beachrock

Beach seines
BT: Seine nets
RT: Boat seines

Beach slope
UF: Beach gradient
BT: Slopes (topography)
RT: Beach features
Beach profiles
Beaches

Beach temperature
USE: Sediment temperature

Beaches
UF: Ocean beaches
Sandy beaches
Shingle beaches
BT: Coastal landforms
NT: Barrier beaches
Raised beaches
RT: Beach accretion
Beach erosion
Beach features
Beach morphology
Beach profiles
Beach slope
Coastal zone
Coasts
Dunes
Intertidal environment
Littoral zone
Recreational waters
Runnels
Sand
Surf
Wave processes on beaches

Beachrock
UF: Beach rock
BT: Carbonate rocks

Beacons (distress)
USE: Distress signals

Beacons (transponders)
USE: Acoustic transponders

Beam transmittance
BT: Transmittance
RT: Beam transmittance meters

Beam transmittance meters
UF: Transparency meters
BT: Light measuring instruments
RT: Beam transmittance

Beam trawlers
USE: Trawlers

Beam trawls (bottom)
USE: Bottom trawls

Beam trawls (midwater)
USE: Midwater trawls

Bearing capacity
BT: Strength
RT: Compaction
Loads (forces)
Pile driving
Shear strength

Beaufort scale
UF: Beaufort wind scale
RT: Breezes
Gale force winds
Sea state scales

Beaufort wind scale
USE: Beaufort scale

Bed forms
SN: Before 1986 search also BEDFORMS
UF: Bedforms
BT: Sedimentary structures
NT: Antidunes
Gravel waves
Mud banks
Ploughmarks
Pock marks
Sand banks
Sand bars
Sand patches
Sand ribbons
Sand ripples
Sand waves
Scour hollows
Seachannels
Sediment drifts
Transverse bed forms
RT: Beach features
Contour currents
Current scouring
Dunes
Fluvial features
Iceberg scouring
Nearshore bars
Oscillatory flow
Sediment-water interface
Submarine features
Topographic features
Wave scouring
Wave-seabed interaction

Bed friction
USE: Bottom friction

Bed load
UF: Bedload
Bottom load
Traction load
BT: Sediment load
RT: River beds
Saltation
Sediment transport
Shelf geology
Shelf sedimentation
Suspended load
Traction
Bed roughness
UF: Bottom roughness
BT: Roughness
RT: Bottom friction
Drag coefficient
Form drag
River beds

Bed shear stress
USE: Bottom stress

Bed stress
USE: Bottom stress

Bedding structures
SN: Use of a more specific term is recommended
BT: Sedimentary structures
NT: Current marks
Ripple marks
Varves

Bedforms
USE: Bed forms

Bedload
USE: Bed load

BEDs
USE: By-catch excluder devices

Behavior
USE: Behaviour

Behaviour
SN: Use of a more specific term is recommended
UF: Animal behaviour
Behavior
NT: Aggressive behaviour
Agonistic behaviour
Avoidance reactions
Chromatic behaviour
Cleaning behaviour
Competitive behaviour
Display behaviour
Exploratory behaviour
Feeding behaviour
Flight behaviour
Homing behaviour
Hydrostatic behaviour
Learning behaviour
Migrations
Orientation behaviour
Parental behaviour
Protective behaviour
Reproductive behaviour
Settling behaviour
Sexual behaviour
Social behaviour
Surfacing behaviour
Territoriality
Vocalization behaviour
RT: Activity patterns
Adaptations
Animal communication
Antagonism

Behavioural responses
Biological rhythms
Echolocation
Ethology
Instinct
Interspecific relationships
Intraspecific relationships
Niches
Phenology
Synergism
Tropism

Bench marks
RT: Datum levels
Leveling
Sea level measurement
Surveys

Bending
USE: Deformation

Bends
USE: Decompression sickness

Benioff seismic zone
USE: Benioff zone

Benioff zone
UF: Benioff seismic zone
BT: Earth structure
RT: Lithosphere
Oceanic trenches
Plate tectonics
Seismic zones
Subduction zones

Benjamin Feir instability
BT: Instability
RT: Wave trains

Benthic algae
USE: Phytobenthos

Benthic boundary layer
UF: Benthic layer
BT: Boundary layers
RT: Benthic currents
Bottom Ekman layer
Bottom mixed layer
Deep layer
Water column
Wave-seaed interaction

Benthic communities
USE: Benthos

Benthic currents
SN: Water currents at +4000 m depth
BT: Bottom currents

RT: Abyssal currents

Benthic environment
UF: Benthic regions
NT: Abyssobenthic zone
BT: Aquatic environment
Bathyal-benthic zone
Littoral zone
RT: Benthos
Interstitial environment
Intertidal environment
Lenitic environment
Lotic environment
Marine environment
Sediment-water interface
Substrata

Benthic fauna
USE: Zoobenthos

Benthic fish
USE: Demersal fish

Benthic flora
USE: Phytobenthos

Benthic fronts
BT: Oceanic fronts

Benthic infauna
USE: Burrowing organisms

Benthic layer
USE: Benthic boundary layer

Benthic regions
USE: Benthic environment

Benthon
USE: Benthos

Benthos
UF: Benthic communities
Benthon
Epibenthos
Macrobenthos
Microbenthos
BT: Aquatic communities
NT: Meiobenthos
Phyto benthos
Zoo benthos
RT: Benthic environment
Benthos collecting devices
Burrowing organisms
Demersal fish
Ecological zonation
Intertidal environment
Sessile species
Substrata
Tube dwellers

Benthos collecting devices
BT: Collecting devices
RT: Benthos
Seatfloor sampling
<table>
<thead>
<tr>
<th>Term</th>
<th>BT/RT</th>
<th>SN/UF/NT/USE/RT</th>
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<tbody>
<tr>
<td>Bentonite</td>
<td>BT: Clastics</td>
<td>Montmorillonite</td>
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<td>RT: Lutites</td>
<td>Volcanic ash</td>
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<tr>
<td>Benzene</td>
<td>BT: Aromatic hydrocarbons</td>
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<tr>
<td>Berms</td>
<td>UF: Beach berms</td>
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<tr>
<td></td>
<td>BT: Beach features</td>
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<td>RT: Beach accretion</td>
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<td>Sand</td>
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<td>Berthing</td>
<td>SN: Use for both docking</td>
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<td></td>
<td>vessel and action of</td>
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<td>securing vessel to</td>
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<td></td>
<td>mooring buoy</td>
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<tr>
<td></td>
<td>UF: Docking</td>
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<tr>
<td></td>
<td>Mooring ships</td>
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<td></td>
<td>NT: Offshore docking</td>
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<td>RT: Anchoring</td>
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<td>Mooring buoys</td>
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<td>Offshore terminals</td>
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<td>Positioning systems</td>
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<td>Ship mooring systems</td>
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<tr>
<td>Beryllium</td>
<td>BT: Alkaline earth metals</td>
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<td></td>
<td>RT: Beryllium isotopes</td>
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<tr>
<td>Beryllium isotopes</td>
<td>BT: Isotopes</td>
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<td>RT: Beryllium</td>
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<tr>
<td>Best practices</td>
<td>SN: Technique or methodology that through experience and research has proven to be reliable and to lead to a desired result or successful result.</td>
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<tr>
<td>Beta spirals</td>
<td>RT: Coriolis parameters</td>
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<tr>
<td>Beta-plane</td>
<td>RT: Coriolis parameters</td>
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<td>Equatorial dynamics</td>
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<td>Rossby parameter</td>
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<td>Vorticity</td>
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<td>Bibliographic information</td>
<td>UF: Annotation</td>
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<td>RT: Bibliographies</td>
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<td>Bibliographic studies</td>
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<tr>
<td>USE: Bibliographic information</td>
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<tr>
<td>Bibliographies</td>
<td>UF: Reading lists</td>
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<tr>
<td></td>
<td>BT: Documents</td>
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<td></td>
<td>NT: Personal bibliographies</td>
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<tr>
<td></td>
<td>RT: Bibliographic information</td>
<td>Literature reviews</td>
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<td>Bioactive compounds</td>
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<td>Bioaeration</td>
<td>SN: Sewage purification by oxidation</td>
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<td>BT: Aeration</td>
<td>Sewage treatment</td>
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<td>Bioassays</td>
<td>UF: Biological assays</td>
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<td></td>
<td>BT: Tests</td>
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<td></td>
<td>RT: Bacteriology</td>
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<td>Toxicity tests</td>
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<td>Biocalcarenite</td>
<td>BT: Carbonate rocks</td>
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<td>RT: Calcarenite</td>
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<td>Biocenosis</td>
<td>USE: Biocoenosis</td>
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<tr>
<td>Biochemical analysis</td>
<td>BT: Analysis</td>
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<td>RT: Biochemical composition</td>
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<td>Biochemical composition</td>
<td>BT: Composition</td>
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<td>Biochemical cycles</td>
<td>BT: Chemical cycles</td>
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<td>RT: Biogeochemical cycle</td>
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<td>Biochemical oxygen demand</td>
<td>SN: Before 1982 search also</td>
<td>BIOLOGICAL OXYGEN DEMAND</td>
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<td>UF: Biological oxygen demand</td>
<td>BOD</td>
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<tr>
<td></td>
<td>BT: Oxygen demand</td>
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<td></td>
<td>RT: Aerobic respiration</td>
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<td>NT: Calcification</td>
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<td>Nitrogen fixation</td>
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</tbody>
</table>
Biochemistry
UF: Physiochemistry
BT: Chemistry
NT: Cytochemistry
Histochemistry
RT: Biochemical analysis
Biochemical composition
Biochemical phenomena
Biogeochemical cycle
Biogeochemistry
Pharmacology
Physiology

Biocides
USE: Pesticides

Bioclimatology
SN: The study of the effects of climate on living organisms
UF: Biological climatology
BT: Climatology
RT: Hydroclimate
Temperature effects

Biocoenosis
SN: A group of plants and animals forming a natural community
UF: Biocenosis
RT: Aquatic communities
Biotopes
Community composition
Ecological associations
Habitat

Biocommunication
USE: Animal communication

Biocontrol
USE: Biological control

Biodegradable substances
SN: Substances that can be broken down by microorganisms
RT: Anaerobic digestion
Biodegradation

Biodegradation
UF: Microbial degradation
BT: Degradation
NT: Anaerobic digestion
RT: Biochemical phenomena
Biodegradable substances
Biogeochemical cycle
Decomposers
Degeneration
Sewage treatment
Sludge treatment
Wastewater treatment
Water pollution treatment

Biodeposition
USE: Detritus

Biodeterioration
USE: Biological damage

Biodiversity
UF: Ecosystem diversity
Habitat diversity
RT: Genetic diversity
Species diversity

Bioelectricity
SN: The production of electricity by living animals
BT: Biological properties
RT: Biophysics
Defence mechanisms
Electric organs

Bioenergetic studies
USE: Bioenergetics

Bioenergetics
SN: Energy transformation in living organisms and aquatic ecosystems.
UF: Bioenergetic studies
RT: Conversion factors
Ecosystems
Energy budget
Food chains
Food consumption
Metabolism

Bioengineering
USE: Biotechnology

Bioerosion
UF: Erosion (biological)
BT: Bacteria
Biological damage
Boring organisms
Fungi

Bioevolution
USE: Evolution

Biofacies
BT: Facies
RT: Biostratigraphy
Ecology
Fossils
Paleontology
Sedimentation

Biofilms

Biofilters
UF: Biological filters
Sub gravel filters
BT: Filters
RT: Recirculating systems
Water treatment

Biogas
BT: Gases

Biogensis
SN: Before 1982 search
RT: Biogenesis

Biogenic deposits
UF: Biogenic sediments
NT: Coral reefs
Organic sediments
Siliceous sediments
RT: Autochthonous deposits
Biogenic material
Oozes

Biogenic material
SN: Material of biological origin
UF: Biogenous material
BT: Materials
RT: Biogenic deposits
Detritus
Suspended organic matter
Trophodynamic cycle

Biogenic sedimentary structures
BT: Sedimentary structures
NT: Algal mats
Stromatolites
Trace fossils
RT: Bioturbation
Coral reefs

Biogeochemical cycle
SN: Complete cycle between organic matter in aquatic ecosystems.
UF: BIOCHEMICAL CYCLE
BT: Geochemo-logical cycle
NT: Nutrient cycles
RT: Biogeochemical cycles
Biochemistry
Biodegradation
Biogeochemistry
Biological clocks
Chemical degradation
Detritus
Oxidation
Photosynthesis
Primary production
Suspended particulate matter
Biogeochemistry
BT: Geochemistry
RT: Biochemistry
Biogeochemical cycle
Biogeochemistry
Pyrolysis
Sediment chemistry
Sulphate reduction

Biogeography
UF: Chorology
Phytogeography
Zoogeography
BT: Geography
RT: Aquatic animals
Aquatic plants
Biological charts
Botany
Cosmopolite species
Ecological distribution
Ecology
Endemic species
Endemism
Faunal provinces
Hydroclimate
Ichthyology
Phytosociology
Zoology

Biographies
UF: Autobiographies
BT: Documents

Bioherms
BT: Reefs
RT: Coral reefs
Limestone

Bioindicator organisms
USE: Indicator species

Bioindicators
USE: Indicator species

Biological age
UF: Age (biological)
Age (organisms)
BT: Age
NT: Age at recruitment
RT: Biological aging
Growth
Life cycle
Longevity

Biological aging
UF: Ageing (biological)
Aging (biological)
Senescence
BT: Aging
RT: Age composition
Age determination
Biological age
Growth
Life cycle
Longevity

Biological assays
USE: Bioassays

Biological attachment
UF: Attachment (biological)
NT: Parasite attachment
RT: Attachment organs

Biological balance
USE: Ecological balance

Biological charts
SN: Distributional charts of aquatic organisms, aquatic communities, living resources and their migrations
BT: Maps
RT: Aquatic communities
Biogeography
Distribution records
Geographical distribution
Quantitative distribution
Biological classification
USE: Taxonomy

Biological climatology
USE: Bioclimatology

Biological clocks
RT: Biogeochemical cycle
Biological rhythms

Biological collections
SN: Museum collections and comparative collections of aquatic organisms
BT: Collections

Biological competition
USE: Competition

Biological contamination
USE: Microbial contamination

Biological control
SN: Use of organisms or viruses to control parasites, aquatic weeds or other pests
UF: Biocontrol
BT: Control
RT: Biological vectors
Fouling control
Pest control
Plant control
Predator control
Protozoan diseases
Viral diseases

Biological corrosion
USE: Biological damage

Biological culture
USE: Laboratory culture

Biological damage
SN: Damage caused by aquatic organisms
UF: Biodeterioration
Biological corrosion
Biological deterioration
Damage (biological)
BT: Damage
RT: Bioerosion
Boring organisms
Dangerous organisms
Fouling organisms

Biological data
BT: Data
RT: Biological sampling
Biological surveys
Census

Biological dating
USE: Age determination

Biological deterioration
USE: Biological damage

Biological development
SN: Before 1982 search
DEVELOPMENT (BIOLOGICAL). Restricted to development processes of organisms
UF: Development (biological)
NT: Embryonic development
Larval development
RT: Developmental stages
Growth
Life cycle
Ontogeny

Biological drift
UF: Drift (biological)
BT: Dispersion
RT: Biotic barriers
Wind-driven currents

Biological engineering
USE: Biotechnology

Biological equilbrium
USE: Ecological balance

Biological fertilization
UF: External fertilization
Fertilization (biological)
Internal fertilization
Reproductive fertilization
Syngamy
BT: Sexual reproduction
RT: Polyspermy
Sexual cells
Spermatophores

Biological filters
USE: Biofilters
Biological half life
SN: Time required by the body to eliminate one-half of the administered dose of any substance by regular process of elimination
UF: Biological half time
Half life (biological)
Half life (effective)
RT: Body burden
Radionuclide kinetics

Biological half time
USE: Biological half life

Biological institutions
BT: Research institutions
RT: Limnological institutions
Oceanographic institutions

Biological limnology
USE: Freshwater ecology

Biological membranes
UF: Membranes (biological)
BT: Membranes
RT: Cell membranes
Ion exchange
Ion transport

Biological noise
SN: Sound emitted by marine animals present on echo trace
UF: Fish sounds
Marine biological noise
BT: Ambient noise
RT: Bioacoustics
Sound production
Sound waves

Biological oceanography
USE: Marine ecology

Biological oxygen demand
USE: Biochemical oxygen demand

Biological phenomena
UF: Phenomena (biological)
NT: Adaptations
Allergic reactions
Bioaccumulation
Biogas
Biogenesis
Biological rhythms
Biosynthesis
Degeneration
Encystment
Evolution
Metamorphosis
Mutations
Regeneration
RT: Biochemical phenomena
Bioluminescence
Interspecific relationships
Intraspecific relationships

Biological properties
BT: Properties
NT: Bioelectricity
Biological resistance
Euryhalinity
Eurythermy
Fecundity
Heterosis
Homoiothermy
Immunity
Longevity
Neoteny
Poikilothermy
Sexual maturity
Stenohalinity
Stenothermy
Tolerance
Toxicity
Vulnerability
RT: Bioluminescence
Fluorescence
Instinct
Phosphorescence
Physicochemical properties

Biological poisoning
SN: Before 1982 search POISONS (BIOLOGICAL)
UF: Biotoxins
Poisons (biological)
Toxins
Venoms
BT: Hazardous materials
NT: Ciguatoxin
Endotoxins
Neurotoxins
Tetrodotoxin
RT: Algal blooms
Antibodies
Detoxification
Lethal effects
Lethal limits
Metabolites
Poisonous organisms
Red tides
Sublethal effects
Toxicity
Toxology
Venom apparatus

Biological pollutants
SN: Pollutants having a biological origin
BT: Pollutants
RT: Biological production
Culture effects
Microbial contamination

Biological polymorphism
USE: Biopolymorphism

Biological production
SN: Organic production in aquatic environment, including dynamic parameters. Before 1982 search PRODUCTION (BIOLOGICAL)
UF: Natural increase
Organic production
Production (biological)
Production rate
NT: Primary production
Secondary production
RT: Biological pollutants
Biomass
Density dependence
Ecosystems
Environmental effects
Fertility
Food webs
Nutrient cycles
Nutrients (mineral)
Oxygen demand
Plankton equivalents
Trophic levels
Trophicodynamic cycle
Yield

Biological resources
USE: Living resources

Biological rhythms
SN: A repeated cyclic change in the behaviour of organisms
UF: Biorhythms
Endogenous rhythms
Rhythms (biological)
BT: Biological phenomena
NT: Circadian rhythms
Nyctimeral rhythms
RT: Activity patterns
Autecology
Behaviour
Biological clocks
Ecological distribution
Phenology
Photoperiodicity
Vertical migrations
Biological sampling
SN: Before 1982 search SAMPLING (BIOLOGICAL). Sampling methods and techniques for aquatic animals and plants
UF: Sampling (biological)
BT: Sampling
RT: Biological data
Biological surveys
Biometrics
Census
Collecting devices
Statistical sampling

Biological sciences
USE: Biology

Biological selection
USE: Bioselection

Biological settlement
SN: Before 1982 search SETTLEMENT (BIOLOGICAL)
UF: Settlement (biological)
NT: Algal settlements
Larval settlement
RT: Colonization
Settling behaviour
Substrate preferences

Biological speciation
SN: Before 1982 search SPECIATION (BIOLOGICAL)
UF: Speciation (biological)
RT: Bioselection
Breeding
Ecotypes
Evolution
Genetics
Isolating mechanisms
Mutations
New species
Phylogenetics
Phylogeny
Population genetics
Species
Taxonomy

Biological stress
SN: Physiological condition of a tissue, organ or organism which is unable to respond normally to a stimulus without rest. Before 1982 search FATIGUE (BIOLOGICAL)
UF: Fatigue (biological)
Stress (biological)
Stress (physiological)
RT: Stresses
Stress (mechanics)

Biological surveys
BT: Surveys
NT: Plankton surveys
RT: Biological data
Biological sampling
Community composition
Environmental surveys

Biological testing
USE: Biotesting

Biological tissues
USE: Tissues

Biological transplantation
USE: Transplants

Biological vectors
SN: Organisms serving as passive carrier of a disease agent. Before 1982 search VECTORS (BIOLOGICAL)
BT: Vectors
RT: Biological control
Hosts
Parasites
Parasitic diseases
Protozoan diseases

Biologists
UF: Aquatic biologists
Hydrobiologists
BT: Scientific personnel
NT: Algalologists
Botanists
Fishery biologists
Microbiologists
Taxonomists
Zoologists
RT: Biology

Bioluminescence
SN: Biological fluorescence and phosphorescence produced by photogenic or luminous organs or organisms
BT: Luminescence
RT: Biological phenomena
Biological properties
Chemiluminescence
Fluorescence
Phosphorescence
Photophores

Biomanipulation

Biomarkers

Biomass
UF: Live weight
Population abundance (in weight)
Population size (in weight)
Standing crop (in weight)
Standing stock (in weight)
BT: Population characteristics
RT: Abundance
Biological production
Plankton equivalents
Population density
Population number
Quantitative distribution
Yield

Biomathematics
USE: Biometrics

Biometeorology
USE: Bioclimatology

Biometrics
UF: Biomathematics
Biometry
Biostatistics
RT: Biological sampling
Mathematics
Numerical taxonomy
Statistical analysis
Statistics

Biometry
USE: Biometrics

Bionomics
USE: Ecology

Biophysics
BT: Physics
RT: Bioacoustics
Bioelectricity
Biology
Physiology

Bioplasm
USE: Cytoplasm
Biopolymorphism
SN: Before 1982 search POLYMORPHISM (BIOLOGICAL)
UF: Balanced polymorphism Biological polymorphism Genetic polymorphism Polymorphism (biological) Transient polymorphism
NT: Cyclomorphosis RT: Organism morphology Population genetics Sexual dimorphism

Bioreactors

Bioremediation

Biorhythms
USE: Biological rhythms

Bioselection
UF: Biological selection Selection (biological)
NT: Genetic drift Natural selection Sexual selection
RT: Biological speciation Evolution Mutations Phylogeny

Biosociology
USE: Synecology

Biostatistics
USE: Biometrics

Biostratigraphy
BT: Stratigraphy
RT: Biofacies Fossil assemblages

Biosynthesis
BT: Biological phenomena RT: Biotechnology Chemosynthesis Enzymatic activity Pearls Photosynthesis

Biota
SN: Collective flora and fauna of a given region, a specific habitat or a biome RT: Aquatic communities Biocoenosis Biotopes Community composition Fauna Flora Habitat

Biotechnology
SN: Engineering methods of achieving biosynthesis of animal and plant products, including genetic engineering. Before 1986 search also BIOENGINEERING UF: Biotechnology Biological engineering Genetic engineering BT: Technology RT: Biology Biosynthesis Biotelemetry Genetically Modified Organisms Medicine Ultrastructure

Biotesting
SN: Bioassays for testing degree of toxicity UF: Biological testing BT: Testing RT: Bioassays Lethal effects Sublethal effects Toxicity Toxicity tests

Biotic barriers
SN: Biotic limitations affecting the dispersal and/or survival of organisms UF: Barriers (biological) RT: Barriers Biological drift Biotic factors

Biotic diseases
USE: Infectious diseases

Biotic environment
USE: Biotic factors

Biotic factors

Biotic pressure
SN: Activities of an enlarging population to maintain itself and spread UF: Population pressure Pressure (populations) RT: Competition Food availability Natural mortality Population control Population density

Biotin
USE: Vitamin B

Biotite
BT: Micas RT: Kimberlites

Biotopes
BT: Habitat RT: Aquatic environment Biocoenosis Biota Ecological associations Microhabitats Niches

Biotoxins
USE: Biological poisons

Bioturbation
SN: Sediments disturbance by organisms BT: Sediment mixing RT: Biogenic sedimentary structures Biological rafting Burrowing organisms Diagenesis Mixing processes Sediments

Bipolar distribution
UF: Bipolarity BT: Horizontal distribution

Bipolarity
USE: Bipolar distribution

Bird eggs
BT: Eggs RT: Albumins Clutch Nesting Nests

Bird entanglement
BT: Entanglement

Bird flight behaviour
USE: Flight behaviour
Bird flying
USE: Flying

Bird navigation
USE: Animal navigation

Bird physiology
USE: Avian physiology

Birds (aquatic)
USE: Aquatic birds

Birds (marine)
USE: Marine birds

Birnessite
BT: Oxide minerals

Birth
USE: Parturition

Bisexuality
USE: Hermaphroditism

Bismuth
BT: Heavy metals
RT: Bismuth compounds
Bismuth isotopes

Bismuth compounds
BT: Chemical compounds
RT: Bismuth

Bismuth isotopes
BT: Isotopes
RT: Bismuth

Bitumens
UF: Pitch (mineral)
BT: Petroleum hydrocarbons
RT: Oil sands
Petroleum residues

Bladders
SN: Any membrane sac containing gas or fluid
BT: Animal organs
NT: Gall bladder
Swim bladder
RT: Excretory organs

Blasting
SN: Controlled use of explosives
RT: Detonators
Explosions
Explosives

Blastospores
USE: Spores

Bleaching
SN: Bleaching of corals, etc.; not used for pulp mills

Blood
UF: Blood liquids
Plasma (blood)
BT: Body fluids
RT: Albumins
Blood cells
Blood circulation
Blood groups
Blood vessels
Circulatory system
Connective tissues
Haematology
Haemocyanins
Hypercapnia
Lipoproteins
Myoglobins
Serological studies

Blood cells
UF: Haematoblasts
BT: Cells
NT: Erythrocytes
Hepatocytes
Leukocytes
Lymphocytes
Macrophages
RT: Agglutinins
Antigens
Blood
Cholesterol
Haemoglobins
Haemopoiesis

Blood chemistry
USE: Haematology

Blood circulation
UF: Blood flow
BT: Circulation
RT: Blood
Blood pressure
Blood vessels
Circulatory system
Connective tissues
Heart

Blood diseases
USE: Haematological diseases

Blood flow
USE: Blood circulation

Blood groups
SN: Types of blood classified on the basis of the different antigens present
UF: Blood types
RT: Antigens
Blood
Haematology

Blood liquids
USE: Blood

Blood pressure
BT: Pressure
RT: Blood circulation
Circulatory system

Blood types
USE: Blood groups

Blood vessels
UF: Arteries
Veins
Venules
BT: Circulatory system
RT: Blood
Blood circulation
Connective tissues
Haemorrhage
Heart

Blooms
USE: Algal blooms

Blowout control
BT: Control
RT: Blowout preventers
Blowouts

Blowout preventers
RT: Blowout control
Blowouts
Wellheads

Blowouts
SN: Pertains to oil and gas well blowouts
UF: Gas well blowouts
Oil well blowouts
RT: Blowout control
Blowout preventers
Fire
Fire hazards

Blue whale unit
UF: BWU
RT: Quota regulations
Whaling
Whaling regulations
Whaling statistics

Blueprints
USE: Engineering drawings

Boat dredges
USE: Dredges

Boat seines
UF: Danish seines
Pair seines
Scottish seines
BT: Seine nets
RT: Beach seines

Boating
UF: Canoeing
Sailing
BT: Recreation
NT: Yachting
Boats
UF: Rafts
BT: Surface craft
NT: Canoes
Catsamarans
Lifeboats
Motor boats
Row boats
RT: Dredges

BOD
USE: Biochemical oxygen demand

Body burden
SN: The amount of radioactive material present in the body of a human or animal
RT: Biological half life
Pollutants
Radioactive contamination
Radionuclide kinetics

Body cavities
SN: Before 1982 search BODY CAVITY
NT: Coelom
Mantle cavity
RT: Body walls
Haemolymph

Body conditions
UF: Fat content
RT: Body weight
Condition factor
Nutritional requirements

Body deformations
USE: Abnormalities

Body fluids
UF: Body liquids
BT: Fluids
NT: Bile
Blood
Coelomic fluids
Haemolymph
Lymph
Mucus
Serum
Urine
RT: Amoebocytes
Colloids

Body organs
SN: A part of an organism that forms a structural and functional unit
UF: Organs (body)
BT: Anatomical structures
NT: Animal organs
Attachment organs
Plant organs
RT: Organ removal
Organogenesis
Regeneration
Transplants

Body regions
UF: Animal body regions
BT: Anatomical structures
NT: Abdomen
Anus
Cephalothorax
Head
Thorax
RT: Animal morphology
Animal organs
Body shape
Body size

Body shape
RT: Body regions
Body size
Body weight
Length-weight relationships

Body size
RT: Animal morphology
Body regions
Body shape
Body weight
Length-weight relationships

Body temperature
BT: Temperature
RT: Aestivation
Heat balance
Hibernation
Homioothermy
Hyperthermia
Metabolism
Poikilothermy
Thermal stimuli
Thermoregulation

Body walls
NT: Mantle
RT: Body cavities
Skin

Body waves
SN: Use of a more specific term is recommended
BT: Seismic waves
NT: P-waves
S-waves

Body weight
RT: Body conditions
Body shape
Body size
Length-weight relationships

Boehmitic
BT: Oxide minerals

Boil disease
SN: Before 1982 search PARASITIC DISEASES
UF: Bubonic disease
Fish furuncolosis
Furunculosis
Red boil disease
BT: Fish diseases
RT: Bacterial diseases
Parasitic diseases

Boiling point
BT: Transition temperatures

Boluses
BT: Water mass intrusions
RT: Cascading
Overflow

Bonding
USE: Adhesion

Bone necrosis
UF: Osteonecrosis
RT: Diving physiology
Underwater medicine

Bones
BT: Endoskeleton
NT: Skull
Vertebrae
RT: Calcification
Connective tissues
Decalcification
Osteology
Otoliths

Bonito fisheries
USE: Tuna fisheries

Bony fins
UF: Bony rays
BT: Fins
RT: Exoskeleton
Meristic counts

Bony rays
USE: Bony fins

Book catalogues
SN: Use only for listings of books, periodicals, etc. issued by publishers and antiquarian dealers
BT: Catalogues

Boomerang corers
USE: Corers

Booms
USE: Floating barriers

Booster stations
USE: Pump stations

Bora
USE: Local winds
Borate minerals
UF: Borates
BT: Minerals
NT: Borax
RT: Boron
Evaporites

Borates
USE: Borate minerals

Borax
BT: Borate minerals

Borderland (continental)
USE: Continental margins

Boreholes
UF: Drill holes
RT: Cores
Drilling
Hole re-entry
Well logging

Borers
USE: Boring organisms

Bores
USE: Tidal bores

Bores in estuaries
USE: Tidal bores

Boric acid
SN: Before 1982 search
INORGANIC ACIDS
BT: Inorganic acids
RT: Boron
Boron compounds

Boring
USE: Drilling

Boring organisms
UF: Borers
BT: Aquatic organisms
RT: Aquatic insects
Bioerosion
Biological damage
Fouling organisms

Boron
BT: Nonmetals
RT: Borate minerals
Boric acid
Boron compounds
Boron isotopes

Boron compounds
BT: Chemical compounds
RT: Boric acid
Boron
Organic compounds

Boron isotopes
BT: Isotopes
RT: Boron

Botanical resources
UF: Algae resources
Aquatic botanical resources
Aquatic plant resources
Plant resources
Seagrass resources
Seaweed resources
BT: Living resources
RT: Aquatic plants

Botanists
BT: Biologists
RT: Botany
Taxonomists

Botany
UF: Phytology
BT: Biology
NT: Algology
RT: Aquatic plants
Biogeography
Botanists
Palaeontology
Palynology
Phytoplankton
Phytosociology
Plant culture
Plant physiology
Species
Taxonomy

Bottle post
USE: Drift bottles

Bottom boundary layer
USE: Benthic boundary layer

Bottom cages
USE: Submerged cages

Bottom crawlers
USE: Seabed vehicles

Bottom culture
UF: Seabed farming
BT: Aquaculture techniques
RT: Shellfish culture

Bottom currents
SN: Before 1982 search DEEP CURRENTS
UF: Near-bottom currents
BT: Water currents
NT: Abyssal currents
Benthic currents
RT: Bottom erosion
Current scouring
Deep currents
Density flow
Lake currents
Ocean currents
Scouring
Seabed drifters
Sediment drifts
Shelf seas
Subsurface currents
Turbidity currents

Bottom Ekman layer
BT: Ekman layers
RT: Benthic boundary layer
Benthic currents

Bottom erosion
UF: Deep-sea erosion
Submarine erosion
Underwater erosion
BT: Erosion
RT: Bottom currents
Contour currents
Current scouring
Deep-sea furrows
Hiatuses
Microtopography
Seachannels
Wave scouring

Bottom features
USE: Submarine features

Bottom friction
UF: Bed friction
BT: Friction
RT: Bed roughness
Bottom stress
Form drag
River beds
Tidal friction
Wave dissipation

Bottom load
USE: Bed load

Bottom mixed layer
BT: Mixed layer
RT: Benthic boundary layer
Bottom water
Deep layer

Bottom photographs
SN: Photographs of the seabed
UF: Seabed photographs
BT: Underwater photographs

Bottom pressure
BT: Hydrostatic pressure
RT: Hurricanes
Wave-seabed interaction

Bottom reverberation
BT: Reverberation
RT: Bottom scattering

Bottom roughness
USE: Bed roughness

Bottom sampling
USE: Seafloor sampling

Bottom scattering
BT: Sound scattering
RT: Bottom reverberation
Bottom stress
UF: Bed shear stress
Bed stress
BT: Stress (mechanics)
RT: Bottom friction
Drag
Reynolds stresses
Sediment dynamics
Sediment transport
Shear stress

Bottom temperature
BT: Water temperature
RT: Potential temperature

Bottom topography
SN: The general configuration of the ocean floor
UF: Ocean bottom topography
Ocean floor topography
Sea floor topography
Underwater topography
BT: Topography (geology)
NT: Palaeotopography
RT: Bathymetry
Bottom topography effects
Echosounding
Isobaths
Morphometry
Ocean basins
Ocean floor
Physiographic provinces
Sediment distribution
Submarine features

Bottom topography effects
SN: Influence of bottom topography on general ocean circulation, currents and waves
UF: Ocean bottom topography
Ocean floor topography
Sea floor topography
Underwater topography
BT: Topographic effects
RT: Abyssal circulation
Bottom topography
Ocean circulation
Water currents
Wave refraction

Bottom tow
BT: Pipeline construction
RT: Ocean floor
Bottom trapped waves
USE: Trapped waves

Bottom trawling
UF: Dredging (catching methods)
BT: Trawling
RT: Bottom trawls
Demersal fisheries

Bottom trawls
UF: Beam trawls (bottom)
Dragging nets
Otter trawls (bottom)
Pair trawls (bottom)
BT: Trawl nets
RT: Bottom trawling

Bottom water
SN: The water in the bottom layer of the sea, lakes, reservoirs or other water bodies. For deep water masses such as Antarctic Bottom Water, use DEEP-WATER MASSES
BT: Water
RT: Bottom mixed layer
Deep-water masses
Surface water
Bottom water masses
USE: Deep-water masses

Botulism
SN: Bacterial food-born intoxication
UF: Botulism hazard
BT: Bacterial diseases
Human diseases
RT: Food poisoning
Microbial contamination
Neurotoxins
Botulism hazard
USE: Botulism

Boudinage
BT: Sedimentary structures
RT: Deformation
Melanges

Bouguer anomalies
BT: Gravity anomalies
RT: Bouguer gravity charts
Bouguer correction
USE: Gravity corrections

Bouguer gravity charts
BT: Gravity charts
RT: Bouguer anomalies

Bouder clay
UF: Till
BT: Glacial deposits
RT: Clastics
Rudites

Boulders
BT: Clastics
Sedimentary rocks
RT: Cobblestone
Glacial erratics
Rudites

Boundaries
UF: Boundary line
Territorial boundaries
NT: Fishery boundaries
International boundaries
RT: Interfaces
Plate boundaries
Surfaces

Boundary conditions
RT: Mathematical models

Boundary currents
BT: Water currents
NT: Eastern boundary currents
Western boundary currents
RT: Ocean currents
Wind-driven currents

Boundary layers
BT: Layers
NT: Atmospheric boundary layer
Benthic boundary layer
Coastal boundary layer
Ekman layers
Laminar boundary layer
Oceanic boundary layer
Turbulent boundary layer
RT: Heat transfer
Hydrodynamics
Interfaces

Boundary line
USE: Boundaries

Boundary value problems
UF: Initial value problems
RT: Finite element method
Numerical analysis

Boussinesq approximation
BT: Approximation

Bowen ratio
BT: Ratios
RT: Air-water exchanges
Evaporation
Heat budget
Latent heat transfer
Sensible heat transfer
Vapour pressure

Boxes
USE: Containers

Brackish water
BT: Water
RT: Brackishwater aquaculture
Brackishwater environment
Brackishwater pollution

Brackishwater aquaculture
SN: Referring to culture of fish and other aquatic organisms in coastal lagoons, deltas, estuaries and mangrove swamps
UF: Brackishwater culture
Estuarine aquaculture
BT: Aquaculture
RT: Algal culture
Bait culture
Brackish water
Brackishwater ecology
Brackishwater fish
Brackishwater molluscs
Cage culture
Estuarine organisms
Extensive culture
Fish culture
Seaweed culture
Shellfish culture
Valliculture
Brackishwater crab culture
USE: Crab culture

Brackishwater culture
USE: Brackishwater aquaculture

Brackishwater ecology
BT: Ecology
RT: Aquatic communities
Brackishwater aquaculture
Brackishwater environment
Brackishwater fish
Brackishwater pollution
Coastal lagoons
Estuarine organisms
Mangrove swamps

Brackishwater environment
UF: Estuarine environment
BT: Aquatic environment
RT: Brackish water
Coastal lagoons
Deltas
Estuaries
Eutrophic waters
Inland water environment
Lagoons
Mangrove swamps
Marine environment

Brackishwater fish
UF: Estuarine fish
BT: Estuarine organisms
Fish
RT: Anadromous migrations
Brackishwater aquaculture
Brackishwater ecology
Coastal lagoons
Deltas
Estuaries
Eutrophic waters
Inland water environment
Lagoons
Mangrove swamps
Brackishwater molluscs
UF: Estuarine molluscs
Molluscs (brackishwater)
Mollusks (brackishwater)
BT: Estuarine organisms
Shellfish
RT: Brackishwater aquaculture
Mollusc culture
Mollusc fisheries
Brackishwater organisms
USE: Estuarine organisms

Brackishwater pollution
UF: Estuarine pollution
BT: Water pollution
RT: Brackish water
Brackishwater ecology

Brachyuran crab culture
USE: Crab culture

Breeding
UF: Natural breeding
NT: Inbreeding
Induced breeding
Selective breeding
RT: Aquaculture
Biological speciation
Breeding ponds
Breeding seasons
Breeding sites
Breeding success
Brood care
Brood stocks
Genetics
Hybridization
Nesting
Phenology
Photoperiodicity
Reproductive behaviour
Reproductive cycle
Sexual maturity
Sexual reproduction
Spawning

Breeding cycle
USE: Reproductive cycle

Breeding grounds
USE: Breeding sites

Breeding ponds
BT: Fish ponds
RT: Breeding

Breeding seasons
SN: Before 1982 use SPAWNING SEASONS
RT: Breeding
Nesting
Sexual isolation

Breeding sites
UF: Breeding grounds
RT: Breeding
Nesting
Nests

Breeding stocks
USE: Brood stocks

Breeding success
RT: Breeding

Breezes
BT: Local winds
NT: Land breezes
Sea breezes
RT: Beaufort scale

Bridges
UF: Rail bridges
Road bridges
RT: Pontoons
Tunnels

Branched chain saturated hydrocarbons
USE: Acyclic hydrocarbons

Breadth
USE: Width

Breaker zone
USE: Surf zone

Breakers
BT: Breaking waves
RT: Rollers
Undertow

Breaking waves
BT: Surface water waves
NT: Breakers
Spilling waves
Surf
Whitecaps
RT: Break-point bars
Shoaling waves
Surf zone
Wave breaking
Wave crests
Wave dissipation
Waves on beaches

Break-point bars
BT: Nearshore bars
RT: Beach profiles
Breaking waves
Deposition features
Longshore bars

Breakwaters
BT: Coast defences
NT: Riprap
Rubblemound breakwaters
RT: Barriers
Coastal erosion
Harbours
Overtopping
Sea walls
Wave damping
Wave runup

Breathing apparatus
BT: Life support systems
RT: Breathing mixtures
Diving equipment
Safety devices
Scuba diving

Breathing mixtures
BT: Gases
NT: Mixed gas
RT: Breathing apparatus
Deep-sea diving
Saturation diving
Scuba diving

Breccia
BT: Clastics
RT: Conglomerates
Radites
Volcanic breccia

Brain
BT: Central nervous system
NT: Hypothalamus
Pineal organ
RT: Ganglia
Head
Nerves
Skull
Bright spot technology
  BT: Seismic data processing
  RT: Seismic profiles

Brightness temperature
  USE: Surface radiation temperature

Brine
  USE: Brines

Brine shrimp culture
  UF: Artemia culture
  BT: Crustacean culture
  RT: Mass culture
  Zooplankton culture

Brine shrimp eggs
  BT: Eggs

Brines
  UF: Brine
  BT: Solutions
  NT: Hot brines
  RT: Chlorine compounds
    Dissolved salts
    Fluorine compounds
    Saline water
    Sea ice

Brittleness
  BT: Mechanical properties
  RT: Embrittlement

Bromides
  BT: Bromine compounds
  RT: Halides

Brominated hydrocarbons
  BT: Halogenated hydrocarbons
  RT: Bromine

Bromine
  BT: Halogens
  RT: Brominated hydrocarbons
  Bromine compounds
  Bromine isotopes

Bromine compounds
  BT: Halogen compounds
  NT: Bromides
  RT: Bromine

Bromine isotopes
  BT: Isotopes
  RT: Bromine

Brood care
  RT: Aquaculture
    Breeding
    Brood stocks

Brood stocks
  SN: A population of specimens selected for reproduction purposes
  UF: Breeding stocks

Parent stocks
  BT: Stocks
  RT: Breeding
  Brood care
  Fecondity
  Hybridity

Brucite
  BT: Oxide minerals

Brunt-Vaisala frequency
  UF: Buoyancy frequency
  Stability frequency
  BT: Frequency
  RT: Vertical stability

BTU
  USE: Calorimetry

Bubble barriers
  UF: Bubble breakwaters
  BT: Barriers

Bubble breakwaters
  USE: Bubble barriers

Bubble bursting
  RT: Aerosols
    Air-water exchanges
    Bubbles
    Droplets
    Electric charge
    Surface chemistry

Bubble disease
  UF: Gas bubble disease
    Gas embolism
  BT: Fish diseases
  RT: Artificial aeration
    Dissolved gases
    Exophthalmia

Bubbles
  NT: Air bubbles
  RT: Bubble bursting
    Bubbling
    Cavitation
    Debubbling

Bubbling
  RT: Aeration
    Bubbles
    Debubbling

Bubonic disease
  USE: Boil disease

Bucket temperature
  USE: Surface temperature

Buckling
  USE: Deformation

Buckling (pipe)
  USE: Pipe buckling

Budding
  BT: Asexual reproduction
  RT: Buds
    Gemmules
    Polyps
    Spores
    Vegetative reproduction

Buds
  RT: Budding
    Plant organs
    Polyps

Buffer capacity
  USE: Buffers

Buffer solution
  USE: Buffers

Buffers
  SN: Buffers occurring in natural water or used in laboratory work
  UF: Buffer capacity
    Buffer solution
  RT: Acidity
    Alkalinity
    Chemical reactions
    pH
    Solutions

Bulk carriers
  UF: Ore carriers
  BT: Merchant ships
  RT: Cargoes

Bulk modulus
  BT: Elastic constants
  RT: Compressibility
    Deformation
    Elasticity
    Shear modulus

Buoy dynamics
  USE: Buoy motion

Buoy hull shapes
  USE: Buoy hulls

Buoy hulls
  UF: Buoy hull shapes
  BT: Hulls
  NT: Discus-shaped buoys
    Spar buoys
  RT: Buoys

Buoy masts
  USE: Masts

Buoy mooring systems
  BT: Mooring systems
  RT: Buoy motion
    Buoy systems
    Buoys
    Mooring recovery
Buoy motion
UF: Buoy dynamics
BT: Motion
RT: Buoy mooring systems
Buoy motion effects
Cable dynamics
Ship motion
Wave effects

Buoy motion effects
SN: Effect of buoy motion on instruments and on instrument readings
BT: Motion effects
RT: Buoy motion
Buoy
Heave response
Heaving
Mooring motion effects
Pitch response
Pitching
Roll resonance
Roll response
Rolling
Surge response
Surging
Yaw response
Yawing

Buoy systems
RT: Buoy mooring systems
Buoy
Floating structures

Buoyancy
SN: Includes mechanisms in organisms for buoyancy
BT: Physical properties
RT: Ballast
Buoyancy floats
Buoyancy flux
Buoyancy materials
Buoy
Density
Flotation
Hydrostatic behaviour
Stability
Swim bladder
Water density

Buoyancy floats
UF: Buoyancy spheres
Floats (buoyancy)
Subsurface buoyancy floats
RT: Ballast
Buoyancy
Buoy

Buoyancy flux
SN: The buoyant or submerged weight of the fluid passing through a cross section in unit time
RT: Buoyancy
Buoyant jets
Buoyancy frequency
USE: Brunt-Vaisala frequency

Buoyancy materials
BT: Materials
RT: Buoyancy

Buoyancy spheres
USE: Buoyancy floats

Buoyant jets
BT: Jets
RT: Buoyancy flux
Density stratification
Outfalls
Plumes
Turbulent entrainment
Water mixing

Buoy
SN: Use of a more specific term is recommended
NT: Data buoys
Fishing buoys
Marker buoys
Mooring buoys
Navigational buoys
Radio buoys
Sonobuoys
RT: Buoy hulls
Buoy mooring systems
Buoy motion effects
Buoy systems
Buoyancy
Buoyancy floats
Drogues
Masts

Burial
USE: Burying

Burrowing organisms
UF: Benthic infauna
Endofauna
BT: Aquatic organisms
RT: Benthos
Bioturbation
Burrows
Protective behaviour

Burrows
RT: Burrowing organisms
Trace fossils

Burning
UF: Burial
RT: Pipeline construction
Pipeline protection
Trenching

Business management
USE: Financial management

Butane
BT: Acyclic hydrocarbons

BWU
USE: Blue whale unit

By catch
SN: The catch taken incidentally during the capture of a species of specific interest to fishermen.
Before 1986 search also BY-CATCH
UF: Additional catch
By-catch
Non-target species
RT: Byproducts
Catch composition
Catch/effort
Discards
Fish catch statistics
Shellfish catch statistics

By catch Reduction Devices
USE: By-catch excluder devices

By-catch
USE: By catch

By-catch excluder devices
SN: Device inserted in fishing gear to allow escapement, alive, of unwanted species (including medusae) or individuals (juveniles) or endangered species (e.g. seals, turtles, dolphins).
UF: BEDs
By-catch Reduction Devices
NT: Turtle excluder devices

Byproducts
UF: By-products
BT: Products
RT: By catch
Fish oils
Industrial products
Powdered products
Processed fishery products
Stickwater
Wastes

By-products
USE: Byproducts

Byssus
SN: In Mollusca
Lamellibranchiata, a tuft of filaments secreted by a gland in the foot and used for attachment
UF: Byssus threads
BT: Animal appendages
RT: Secretion

Byssus threads
USE: Byssus

Cabaling
USE: Cabbeling
Cabbeling
SN: Mixing of two water masses with identical insitu densities but different insitu temperatures and salinities, so that the resulting mixture is denser than its components. Before 1984 search also CABELLING
UF: Cabaling
BT: Vertical water movement
RT: Mixing processes
  Salinity
  Water density
  Water masses
  Water mixing
  Water temperature

Cabelling
USE: Cabbeling

Cable breaks
USE: Submarine cable breaks

Cable depressors
BT: Depressors
RT: Oceanographic equipment
  Towed sensors
  Towing lines

Cable dynamics
BT: Dynamics
RT: Buoy motion
  Cables
  Catenary
  Wire rope

Cable laying
RT: Cable ships
  Submarine cables

Cable ships
BT: Ships
RT: Cable laying
  Submarine cables
  Work platforms

Cables
NT: Electric cables
  Guide lines
  Mooring lines
  Riser cables
  Streamers
  Towing lines
  Umbilicals
RT: Cable dynamics
  Catenary
  Chain
  Fairings
  Ropes
  Wire rope

Cadmium
BT: Heavy metals
RT: Cadmium compounds
  Cadmium isotopes

Cadmium compounds
BT: Chemical compounds
RT: Cadmium

Cadmium isotopes
BT: Isotopes
RT: Cadmium

Caenozoic
USE: Cenozoic

Caesium
UF: Cesium
BT: Alkali metal compounds
  Alkalines metals
RT: Caesium isotopes

Caesium 137
BT: Caesium isotopes

Caesium isotopes
BT: Isotopes
NT: Caesium 137
RT: Caesium

Cage culture
SN: Culture of shellfish species and fish in fixed or floating cages
UF: Basket culture
  Net culture
  Pen culture
BT: Aquaculture techniques
RT: Brackishwater aquaculture
  Cages
  Crustacean culture
  Fish culture
  Freshwater aquaculture
  Intensive culture
  Marine aquaculture
  Monoculture
  Raft culture
  Thermal aquaculture

Cages
NT: Floating cages
  Submerged cages
RT: Aquaculture equipment
  Cage culture

Caissons
BT: Offshore structures
RT: Submersible platforms
  Underwater habitats

Calcarenite
BT: Carbonate rocks
RT: Biocarbonates
  Limestone

Calcarenite deposits
USE: Carbonate sediments

Calcaneous ooze
UF: Ooze (calcaneous)
BT: Oozes
NT: Foraminifer ooze
  Pteropod ooze
RT: Calcium carbonates
  Carbonate sediments
  Coccoliths
  Namoofoos ooze

Calciferol
USE: Vitamin D

Calcification
SN: The formation of calcium salt deposits in a tissue
UF: Physiological calcification
BT: Biochemical phenomena
RT: Bones
  Decalcification
  Diagenesis
  Fossils
  Shells
  Tissues
  Vitamin D

Calcite
BT: Carbonate minerals
RT: Calcite dissolution
  Calcification
  Calcium carbonates
  Limestone

Calcite compensation depth
USE: Carbonate compensation depth

Calcite dissolution
BT: Dissolution
RT: Calcite
  Carbonate compensation depth

Calcification
BT: Diagenesis
RT: Calcite
  Dolomitization

Calcium
BT: Alkaline earth metals
RT: Calcium compounds
  Carbonates
  Calcium isotopes
  Water hardness

Calcium carbonates
BT: Calcium compounds
  Carbonates
RT: Aragonite
  Calcaneous ooze
  Calcite
  Dolomitization
Calcium compounds
SN: Use of a specific compound is recommended
BT: Alkaline earth metal compounds
NT: Calcium carbonates
Calcium phosphates
Calcium sulphates
RT: Calcium
Coral
Water hardness
Calcium isotopes
BT: Isotopes
RT: Calcium
Calcium phosphates
BT: Calcium compounds
Phosphates
Calcium sulphates
BT: Calcium compounds
Sulphates
Calcite
BT: Carbonate rocks
RT: Conglomerates
Calculators
BT: Electronic equipment
Calibration
SN: Methods for calibrating accuracy or reliability of equipment
BT: Standardization
NT: Inter calibration
RT: Accuracy
Efficiency
Equipment
Testing
Californium
BT: Actinides
Transuranic elements
RT: Californium isotopes
Californium isotopes
BT: Isotopes
RT: Californium
Calories
SN: Before 1982 search
NUTRITIVE VALUE
UF: Calories (nutrition)
RT: Calorimetry
Food consumption
Nutritive value
Calories (nutrition)
USE: Calories
Calorimetry
UF: BTU
Heat measurement
BT: Measurement
RT: Calories
Energy budget
Calved ice
USE: Icebergs
Calving
SN: Formation of icebergs
RT: Ablation
Ice shelves
Icebergs
Cambrian
SN: Before 1982 search also CAMBRIAN PERIOD
BT: Palæozoic
Cameras
BT: Photographic equipment
NT: Underwater cameras
RT: Optical filters
Photography
Television systems
Camouflage
BT: Adaptations
RT: Defence mechanisms
Mimicry
Protective behaviour
Canals
SN: Restricted to artificial water courses through a land area; used for navigation, irrigation, etc.
UF: Irrigation canals
BT: Inland waters
NT: Interocean canals
Ship canals
RT: Channels
Inlets (waterways)
Cangronid fisheries
USE: Shrimp fisheries
Canned fishery products
USE: Canned products
Canned products
SN: Fishery products preserved in cans by sterilization process
UF: Canned fishery products
BT: Processed fishery products
RT: Canning
Cannibalism
BT: Feeding behaviour
Canning
SN: Preservation of fishery products in cans by sterilization process
BT: Processing fishery products
RT: Canned products
Canoe fisheries
BT: Fisheries
RT: Artisanal fishing
Canoes
Canoeing
USE: Boating
Capillary waves
UF: Surface tension waves
BT: Surface water waves
NT: Water ripples
RT: Capillarity
Gravity waves
Nonlinear waves
Surface tension

Capital investments
USE: Investments

Capital resources
USE: Financial resources

Capsizing
BT: Marine accidents
Ship motion
RT: Floating
Instability
Righting
Ship losses
Ship stability
Wave effects

Captive
RT: Acclimation
Acclimatization
Domestication

Capture fisheries
USE: Fisheries

Capture fishery economics
SN: Economics of exploiting wild stocks. Before 1982 search
FISHERY ECONOMICS
BT: Fishery economics

Carangid fisheries
UF: Horse mackerel fisheries
Jack fisheries
Scad fisheries
Yellow tail fisheries
BT: Fisheries
RT: Marine fisheries
Pericord fisheries

Carapace
SN: An exoskeletal shield covering part or all of the dorsal surface of an animal
BT: Exoskeleton
RT: Cephalothorax
Chitin

Carbohydrates
BT: Organic compounds
NT: Glycogen
Glycosides
Sacharides
RT: Agar
Alcohols
Carbon fixation
Nutritive value
Organic constituents

Carbon
BT: Nonmetals
NT: Inorganic carbon
Organic carbon
RT: Carbon compounds
Carbon cycle
Carbon isotopes
Carbon sinks
Carbon/nitrogen ratio
Diamonds
Hydrocarbons

Carbon 13
BT: Carbon isotopes
RT: Radioactive tracers
Radiocarbon dating
Radioisotopes

Carbon 14
BT: Carbon isotopes
Radioisotopes
RT: Radioactive tracers
Radiocarbon dating

Carbon assimilation
USE: Carbon fixation

Carbon compounds
BT: Chemical compounds
NT: Carbon dioxide
Carbon monoxide
Carbon sulphides
Carbonates
RT: Carbon
Cyanides
Hydrocarbons
Organic compounds

Carbon cycle
BT: Nutrient cycles
RT: Carbon
Carbon dioxide
Transpiration

Carbon dioxide
BT: Atmospheric gases
Carbon compounds
RT: Carbon cycle
Carbon fixation
Greenhouse effect
Hypercarnia
Photosynthesis

Carbon dioxide fixation
USE: Carbon fixation
Carbon dioxide poisoning
USE: Hypercarnia

Carbon fixation
SN: Before 1982 search
PHOTOSYNTHESIS
UF: Carbon assimilation
Carbon dioxide fixation
BT: Photosynthesis
RT: Carbohydrates
Carbon dioxide

Carbon isotope ratio
BT: Ratios
RT: Carbon isotopes

Carbon isotopes
BT: Isotopes
NT: Carbon 13
Carbon 14
RT: Carbon
Carbon isotope ratio

Carbon monoxide
BT: Carbon compounds

Carbon sinks
RT: Carbon

Carbon sulphides
BT: Carbon compounds
Sulphides

Carbon/nitrogen ratio
BT: Ratios
RT: Carbon
Nitrogen

Carbonaceous deposits
USE: Organic sediments

Carbonate biogenic deposits
USE: Carbonate sediments

Carbonate compensation depth
UF: Calcite compensation depth
Compensation depth (carbonate)
Compensation depth (oceans)
BT: Compensation depth
RT: Calcite dissolution
Lysoistone

Carbonate minerals
BT: Minerals
NT: Aragonite
Calcite
Dolomite
Magnesite
Siderite

Carbonate rocks
BT: Rocks
NT: Beachrock
Biocarbonate
Calcarenite
Calcrete
Chalk
Dolostone
Limestone
RT: Carbonate sediments
Coral reefs
Sedimentary rocks

Carbonate sediments
UF: Calcareous deposits
Carbonate biogenic deposits
BT: Sediments
RT: Calcareous ooze
Carbonate rocks
Chemical sediments
Coccoliths
Pelagic sediments
Carbonates
BT: Carbon compounds
NT: Bicarbonates
Calcium carbonates
RT: Carbonic acid
Salts
Water hardness

Carbonic acid
BT: Organic acids
RT: Carbonates

Carbonic anhydrase
BT: Enzymes

Carboniferous
SN: Before 1982 search
CARBONIFEROUS PERIOD
BT: Palaeozoic

Carboxylation
BT: Chemical reactions
RT: Decarboxylation

Carboxylic acid salts
BT: Salts
NT: Acetate
Citrates
RT: Organic acids

Carboxylic acids
USE: Organic acids

Carcasses
USE: Carcases

Carcasses
UF: Carcases
Dead bodies
RT: Stranding

Carcinogenesis
SN: The production and development of cancer
RT: Carcinogens
Pollution effects
Tumours

Carcinogens
RT: Carcinogenesis
Chemical pollutants
Diseases
Radioactive pollutants

Carcinologists
BT: Zoologists
RT: Carcinology
Fishery biologists
Taxonomists

Carcinology
BT: Invertebrate zoology
RT: Carcinologists

Carcinoma
USE: Tumours

Careers
RT: Personnel

Cargo ships
USE: Merchant ships

Cargoes
RT: Bulk carriers
Merchant ships
Shipping
Transportation

Caridean shrimp fisheries
USE: Shrimp fisheries

Carnallite
BT: Halide minerals

Carnivores
BT: Heterotrophic organisms
RT: Herbivores
Omnivores
Plankton feeders
Predators
Trophi levels

Carotenoids
BT: Chromatic pigments
RT: Photosynthesis
Photosynthetic pigments

Carrageenins
BT: Seaweed products
RT: Agar
Alginates

Carrying capacity
SN: The maximum number of organisms that can be sustained within a given area or habitat
BT: Capacity
RT: Habitat

Cartesian coordinates
USE: Coordinate systems

Cartilage
SN: A form of connective tissue of vertebrates. Before 1982 search TISSUES
BT: Connective tissues
RT: Musculoskeletal system
Skeleton

Cartographic methods
USE: Cartography

Cartography
UF: Cartographic methods
Oceanographic cartography
NT: Automated cartography
RT: Atlases
Bathymetric surveys
Geographical coordinates

Geography
Map graphics
Map projections
Mapping
Maps
Photogrammetry
Surveying
Surveys

Cascading
BT: Vertical water movement
RT: Boluses
Overflow
Slope processes

Cassiterite
BT: Oxide minerals
RT: Placers
Tin

Cast nets
UF: Falling gear
BT: Fishing nets

Castration
BT: Organ removal
NT: Parasitic castration
RT: Sterility
Testes

CAT scan
USE: Parasitic castration

Catalysis
BT: Metabolism
RT: Anabolism

Catabolism
BT: Oxide minerals
RT: Placers
Tin

Cataladromous species
USE: Catadromous species

Cataclysmic species
SN: Having the habit to migrate from fresh to salt water to spawn
UF: Amphiphilic halotactic species

Catagenesis
RT: Diagenesis
Sediments
Catalogs
USE: Catalogues

Catalogues
UF: Catalogs
  Equipment catalogues
BT: Documents
NT: Book catalogues
  Inventories
RT: Collections

Catchalys
USE: Catalysts

Catalysts
UF: Catalysis
BT: Agents
RT: Chemical kinetics
  Chemical reactions
  Enzymatic activity
  Enzymes
  Inhibitors

Catamarans
BT: Boats
RT: Ship hulls

Catastrophes
USE: Disasters

Catastrophic waves
BT: Water waves
RT: Freak waves
  Storm surges
  Tsunamis

Catch composition
RT: By catch
  Catch statistics
  Commercial species
  Multispecies fisheries

Catch limit
USE: Quota regulations

Catch per unit effort
USE: Catch/effort

Catch quota
USE: Quota regulations

Catch rate
USE: Catch/effort

Catch statistics
BT: Fishery statistics
NT: Fish catch statistics
  Hunting statistics
  Seaweed statistics
  Shellfish catch statistics
  Whaling statistics
RT: Catch composition
  Catch/effort
  Fishery data
  Fishing effort
  Fishing time
  Landing statistics

Catch/effort
USE: Catch per unit effort
  Catch rate
  Hook rate
RT: By catch
  Catch statistics
  Catchability
  Fishery data
  Fishing effort
  Fishing power
  Stock assessment

Catchability
UF: Catchability coefficient
RT: Avoidance reactions
  Catch/effort
  Catching methods
  Escapement
  Vulnerability

Catchability coefficient
USE: Catchability

Catching methods
UF: Fishing methods
NT: Electric fishing
  Explosive fishing
  Fish poisoning
  Fishing by diving
  Light fishing
  Line fishing
  Net fishing
  Pot fishing
  Pump fishing
  Spear fishing
  Trap fishing
  Wounding
RT: Attracting techniques
  Catchability
  Experimental fishing
  Fishery engineering
  Fishery technology
  Fishing
  Fishing gear
  Fishing technology

Catchment area
RT: Lake basins
  River basins
  Runoff
  Watersheds

Catenary
BT: Deflection
RT: Cable dynamics
  Cables
  Mooring lines
  Riser cables

Cathodes
BT: Electrodes

Quota regulations
Stock assessment
Total allowable catch

Cathodic protection
BT: Corrosion control
  Sacrificial anodes
Cathodic stripping voltammetry
USE: Stripping analysis
Cation exchange
USE: Ion exchange
Cation exchange capacity
USE: Exchange capacity

Cations
BT: Ions
RT: Electrolysis
  Exchange capacity
Causticity
USE: Alkalinity

Caustics
RT: Orthogonals
  Wave refraction diagrams

Cave fauna
USE: Cavernicolous species

Cavernicolous species
UF: Cave fauna
BT: Species
RT: Caves
  Spelaeology
Caves
SN: Restricted to marine
  subterranean environment
UF: Sea caves
BT: Coastal landforms
RT: Cavernicolous species
  Cliffs
  Spelaeology

Caviar
SN: Sturgeon eggs detached from
  roe, sorted, washed and salted, or
  fish roe prepared like caviar
UF: Caviar substitutes
BT: Roes
Caviar substitutes
USE: Caviar

Cavitation
UF: Acoustic cavitation
BT: Turbulent flow
RT: Acoustic properties
  Bubbles
  Corrosion
  Propellers
  Vaporization
  Vortices
Cavitation erosion
USE: Corrosion
Cays
UF: Keys (islands)
BT: Islands
RT: Coral reefs

cDNA
BT: DNA

Celestial navigation
BT: Navigation
RT: Astronomy
Inertial navigation

Cell biology
USE: Cytology

Cell constituents
NT: Cell membranes
Cell organelles
Cell walls
Chromosomes
Cytoplasm
Nuclei
RT: Cell division
Cell morphology
Cells
Cytology
Histochemistry

Cell counters
BT: Counters
RT: Cells

Cell culture
BT: Laboratory culture
RT: Cells
Culture media
Phytoplankton culture
Tissue culture

Cell differentiation
UF: Differentiation (cells)
RT: Cell morphology
Cells
Cytology

Cell division
UF: Nuclear division
BT: Reproduction
NT: Meiosis
Mitosis
RT: Cell constituents
Cell fusion
Cells
Cytology

Cell flagella
USE: Cell organelles

Cell fusion
RT: Cell division
Cells

Cell inclusions
SN: Any non living material present in the cytoplasm, whether organic or inorganic
RT: Cells
Cytoplasm

Cell membranes
UF: Cytoplasmic membranes
Membranes (cells)
Nuclear membranes
Plasma membranes
Plasmalemma
BT: Cell constituents
Membranes
NT: Ion channels
RT: Biological membranes
Cell walls
Cytology
Protoplasm

Cell morphology
BT: Organism morphology
RT: Cell constituents
Cell differentiation
Cytology

Cell organelles
SN: Specialized part of a cell having specific functions
UF: Cell flagella
Chondriosomes
Contractile vacuole
Myoneme
Organelles
BT: Cell constituents
NT: Golgi apparatus
Lysosomes
Mitochondria
RT: Cytology

Cell walls
SN: Outermost rigid layer of a plant cell
BT: Cell constituents
RT: Cell membranes

Cells
NT: Amoebocytes
Blood cells
Neurons
Receptors
Sexual cells
RT: Anatomical structures
Cell constituents
Cell counters
Cell culture
Cell differentiation
Cell division
Cell fusion
Cell inclusions
Chloroplasts
Chromatophores
Clones
Cytology
Extracellular
Histochemistry
Necroses
Phagocytosis
Protoplasts
Tissues
Ultrastucture

Cellular convection
UF: Thermal convection
BT: Convection
RT: Atmospheric boundary layer
Mantle convection
Windrows

Cellulase
USE: Enzymes

Cellulose
SN: Before 1982 search
CARBOHYDRATES
BT: Polysaccharides
Cement (building material)
USE: Concrete

Cementation
BT: Diagenesis
RT: Clastics
Consolidation
Lithification
Submarine cements

Cements (adhesives)
USE: Adhesives

Cements (geology)
USE: Submarine cements

Cenozoic
SN: Before 1982 search
CENOZOIC ERA
UF: Caenozoic
BT: Geological time
NT: Quaternary
Tertiary
RT: Phanerozoic

Census
RT: Biological data
Biological sampling
Data collections
Sampling
Stock assessment
Surveys

Central nervous system
UF: CNS
BT: Nervous system
NT: Brain
Ganglia
Spinal cord
RT: Sense organs

Centrifugal force
BT: Forces
RT: Acceleration
Centrifuges
Centripetal force

Centrifugation
BT: Separation
RT: Analytical techniques
Centrifuges
Water filtration
Water purification
Centrifuges
BT: Laboratory equipment
RT: Centrifugal force
Centrifugation
Centripetal force

Centripetal force
BT: Forces
RT: Acceleration
Centrifugal force
Centrifuges

Cephalopod fisheries
UF: Cuttlefish fisheries
Octopus fisheries
Squid fisheries
BT: Mollusc fisheries
Pot fishing
Squid culture

Cephalothorax
BT: Body regions
RT: Animal appendages
Carapace
Thorax

Ceramics
BT: Materials

Cerium
BT: Lanthanides
RT: Cerium compounds
Cerium isotopes

Cerium compounds
BT: Chemical compounds
RT: Cerium

Cerium isotopes
BT: Isotopes
RT: Cerium

Certification
RT: Ecolabelling
Evaluation
Performance assessment
Quality control
Reliability
Tests

Cesium
USE: Caesium

Cetology
BT: Mammalogy
RT: Aquatic mammals
Vocalization behaviour

Chain
RT: Cables
Mooring lines
Ropes

Chalk
BT: Carbonate rocks
RT: Coccoliths

Chambers (one-atmosphere)
USE: Underwater habitats

Chandler wobble
RT: Earth rotation
Pole tides
Changes (time)
USE: Temporal variations
Changes of state
USE: Phase changes

Channel flow
SN: Includes flow through pipes
and conduits
UF: Flow in channels
Open channel flow
BT: Fluid flow
RT: Flowmeters
Fluvial transport
Laminar flow
Sediment dynamics
Sediment transport
Turbulent flow
Unidirectional flow

Channels
UF: Water channels
BT: Topographic features
NT: Navigational channels
Rip channels
Seachannels
RT: Canals
Dredgers
Flumes
Fluvial features
Inlets (waterways)
Rivers
Rundnels
Straits
Tidal inlets
Valleys
Water bodies
Water currents
Channels (sound)
USE: Sound channels

Chaos

Chart datum
BT: Datum levels
RT: Maps

Charting (distributions)
USE: Mapping

Charting (environmental conditions)
USE: Mapping

Charting (navigational hazards)
USE: Hydrographic surveying

Charts (maps)
USE: Maps

Check lists
SN: Any relatively extensive list of
a group of organisms by species
UF: Species composition
RT: Identification keys

Chelates
UF: Chelating agents
Chelation
RT: Chemical compounds
Haemoglobins
Metals
Organic compounds
Chelating agents
USE: Chelates

Chelation
USE: Chelates

Chelatometric titration
USE: Titration

Chemical activity
USE: Thermodynamic activity

Chemical analysis
UF: Chemical assays
BT: Analysis
RT: Chemical composition
Hydrocarbon analysis
Microscopy
Pollution detection
Sediment analysis
Water analysis
Water samples
X-ray spectroscopy

Chemical assays
USE: Chemical analysis

Chemical composition
UF: Abundance (chemical)
Chemical constituents
BT: Composition
NT: Feed composition
Food composition
RT: Chemical analysis
Chemical elements
Chemical properties
Chromatography

Chemical compounds
SN: Use of a more specific term is
recommended; consult NTs listed below
NT: Actinide compounds
Alkali metal compounds
Alkaline earth metal compounds
Aluminium compounds
Arsenic compounds
Bismuth compounds
Boron compounds
Cadmium compounds
Carbon compounds
Cerium compounds
Chromium compounds
Cobalt compounds
Copper compounds
Cyanides
Germanium compounds
Gold compounds
Halogen compounds
Hydrogen compounds
Inorganic compounds
Iron compounds
Lead compounds
Manganese compounds
Mercury compounds
Molybdenum compounds
Nickel compounds
Nitrogen compounds
Organic compounds
Oxygen compounds
Phosphorus compounds
Selenium compounds
Silicon compounds
Silver compounds
Sulphur compounds
Technetium compounds
Titanium compounds
Tungsten compounds
Uranium compounds
Vanadium compounds
Volatile compounds
Zinc compounds
Zirconium compounds

RT: Antioxidants
Aromatics
Chelates
Disinfectants
Dissolved chemicals
Fixatives
Inorganic acids
Polymers
Salts

Chemical constituents
USE: Chemical composition

Chemical contamination
USE: Chemical pollution

Chemical control
SN: Use of chemicals to control noxious organisms
UF: Chemocontrol
BT: Control
RT: Antifouling substances
Pest control
Plant control

Chemical cycles
BT: Cycles
NT: Biochemical cycles
Geochemical cycle

Chemical defence
NT: Allelopathy
RT: Protective behaviour

Chemical degradation
BT: Degradation
RT: Biochemical cycles
Biogeochemical cycle

Chemical reactions
Corrosion
Electrolysis
Hydrolysis
Sewage treatment
Sludge treatment
Water pollution treatment

Chemical elements
SN: Use of a more specific term is recommended
UF: Elements
NT: Metals
Nonmetals
Rare gases
RT: Alloys
Chemical composition
Dissolved chemicals
Electroanalysis
Isotopes
Trace elements

Chemical engineering
BT: Engineering
RT: Petroleum engineering

Chemical equilibrium
UF: Equilibrium constants
BT: Equilibrium
RT: Chemical kinetics
Chemical reactions
Thermodynamic activity
Thermodynamic equilibrium

Chemical extraction
SN: Extraction of fats, enzymes, seaweed products, oils, protein, concentrates, stickwater, etc.
UF: Extraction (chemical)
BT: Separation
RT: Animal oil extraction

Chemical fertilizers
SN: Chemical substances used to fertilize soils or aquatic environment
BT: Fertilizers
RT: Chemical pollutants
Nitrogen compounds
Phosphorus compounds

Chemical kinetics
UF: Kinetics of chemical reactions
Reaction kinetics
BT: Kinetics
RT: Catalysts
Chemical equilibrium
Chemical reactions

Chemical limnology
SN: Before 1982 search also LIMNOLOGY (CHEMICAL)
UF: Limnology (chemical)
BT: Limnology
RT: Chemical properties
Estuarine chemistry
Water analysis

Chemical messengers
USE: Hormones

Chemical oceanography
UF: Marine chemistry
BT: Oceanography
RT: Chemical properties
Chemistry
Estuarine chemistry
Water analysis

Chemical oxygen demand
BT: Oxygen demand
RT: Biochemical oxygen demand
Chemical properties
Water analysis
Water quality

Chemical plumes
BT: Plumes
RT: Chemical pollution
Chemical spills

Chemical pollutants
SN: Any pollutants of chemical origin (organic and inorganic)
BT: Hazardous materials
Pollutants
NT: Endocrine disruptors
RT: Carcinogens
Chemical fertilizers
Chemical pollution
DDT
Detergents
Industrial wastes
Paints
PCB
Pesticides
Phenols
Phthalate esters

Chemical pollution
UF: Chemical contamination
BT: Pollution
RT: Agricultural pollution
Chemical pollutants
Sediment pollution
Water pollution

Chemical precipitation
SN: Before 1982 search
PRECIPITATION (CHEMISTRY)
UF: Precipitation (chemistry)
BT: Separation
NT: Coprecipitation
Flocculation
RT: Chemical properties
Chemical reactions
Coagulants
Colloids
Sedimentation
Solubility
Supersaturation
ASFA THESAURUS

Chemical properties
BT: Properties
NT: Acidity
Alkalinity
pH
Redox potential
Salinity
Solubility
RT: Chemical composition
Chemical limnology
Chemical oceanography
Chemical oxygen demand
Chemical precipitation
Chemical reactions
Chemistry
Electrical properties
Electrochemistry
Luminescence
Molecular weight
Physical properties
Physicochemical properties
Sediment chemistry
Thermodynamic properties
Water properties

Chemical reactions
SN: Use of a more specific term is recommended
UF: Reactions (chemical)
NT: Amination
Autolysis
Carboxylation
Coagulation
Corrosion
Deamination
Decarboxylation
Degradation
Dehydration
Denitrification
Depolymerization
Dissociation
Electrolysis
Fermentation
Halogenation
Hydrolysis
Isomerization
Nitrification
Nitrogen fixation
Oxidation
Photochemical reactions
Polymerization
Redox reactions
Reduction
RT: Biochemical phenomena
Buffers
Catalysts
Chemical degradation
Chemical equilibrium
Chemical kinetics
Chemical precipitation
Chemical properties
Chemiluminescence
Chemistry
Electrochemistry
Ion association
Ion exchange
Photosynthesis

Redox potential
Specificity
Thermodynamic activity
Titration
Chemical receptors
USE: Chemoreceptors
Chemical resistance
USE: Control resistance
Chemical sediments
SN: Search also AUTHIGENES before 1983
UF: Chemically precipitated sediments
Hydrogenous sediments
BT: Sediments
NT: Concretions
Ferruginous deposits
Hydrothermal deposits
Manganese deposits
Metallicfous sediments
Nodules
Phosphate deposits
Submarine cements
Sulphide deposits
RT: Anhydrite
Authigenic minerals
Carbonate sediments
Cherts
Evaporites
Mineral deposits
Organic sediments
Pelagic sediments
Siliceous sediments
Chemical speciation
UF: Speciation (chemical)
RT: Chemistry
Chemical spills
BT: Accidents
RT: Chemical plumes
Chemical stimuli
UF: OlfactorY stimuli
BT: Stimuli
RT: Chemoreception
Chemoreceptors
Chemotaxis
Chemotropism
Olfactory organs
Chemical waste disposal
USE: Waste disposal
Chemically precipitated sediments
USE: Chemical sediments
Chemicals (fire fighting)
USE: Fire extinguishers
Chemiluminescence
BT: Luminescence
RT: Bioluminescence
Chemical reactions
Phosphorescence

Chemisorption
USE: Sorption
Chemistry
SN: Use of a more specific term is recommended
NT: Atmospheric chemistry
Biochemistry
Electrochemistry
Geochemistry
Photochemistry
Radiochemistry
Surface chemistry
RT: Chemical oceanography
Chemical properties
Chemical reactions
Chemical speciation
Chemocontrol
USE: Chemical control
Chemoreceptors
SN: Any sensory perception of ions or chemical compounds
RT: Alarm substances
Chemical stimuli
Chemoreceptors
Chemotropism
Olfaction
Sense functions
Chemosynthesis
RT: Biosynthesis
Nutrients (mineral)
Photosynthesis
Chemotaxis
BT: Taxis
RT: Chemical stimuli
Chemotropism
Olfactory organs
Chemotaxonomy
SN: The classification of organisms on the basis of the distribution and composition of their chemical substances
UF: Molecular taxonomy
BT: Taxonomy
RT: Chemical composition
DNA
Chemotropism
BT: Tropism
RT: Chemical stimuli
Chemoreception
Chemotaxis
<table>
<thead>
<tr>
<th>Term</th>
<th>BT:</th>
<th>RT:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chenier plains</td>
<td>Coastal landforms</td>
<td>Cheniers</td>
</tr>
<tr>
<td>Cheniers</td>
<td>Beach ridges</td>
<td>wetlands</td>
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<tr>
<td>Chertification</td>
<td>Cherts</td>
<td>Diagenesis</td>
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<td></td>
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<td>Metasomatism</td>
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<td></td>
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<td>Silicification</td>
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<td>Cherts</td>
<td>Siliceous rocks</td>
<td>Chemical sediments</td>
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<td>Concretions</td>
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<td>Nodules</td>
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<td></td>
<td></td>
<td>Silica</td>
</tr>
<tr>
<td>Chi square test</td>
<td>USE: Statistical analysis</td>
<td></td>
</tr>
<tr>
<td>Chicken-fish culture</td>
<td>USE: Agropisciculture</td>
<td></td>
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<tr>
<td>Chilled fishery products</td>
<td>USE: Chilled products</td>
<td></td>
</tr>
<tr>
<td>Chilled products</td>
<td>UF: Chilled fishery products</td>
<td>BT: Processed fishery products</td>
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<tr>
<td></td>
<td></td>
<td>RT: Chilling storage</td>
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<td></td>
<td></td>
<td>Frozen products</td>
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<td></td>
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<td>Refrigeration</td>
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<tr>
<td>Chilling storage</td>
<td>BT: Cold storage</td>
<td>RT: Chilled products</td>
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<td></td>
<td></td>
<td>Refrigeration</td>
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<tr>
<td>Chimaeras fisheries</td>
<td>USE: Shark fisheries</td>
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<td>Chitin</td>
<td>Mucopolysaccharides</td>
<td>Carapace</td>
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<td></td>
<td></td>
<td>Chitosan</td>
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<td></td>
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<td>Cuticles</td>
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<td>Exoskeleton</td>
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<td>Glucosamine</td>
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<td>Chitosan</td>
<td>Chitin</td>
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<tr>
<td>Chloric acid</td>
<td>BT: Inorganic acids</td>
<td>RT: Chlorine compounds</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chlorite</td>
</tr>
<tr>
<td>Chlorides</td>
<td>BT: Chlorine compounds</td>
<td>Fluorine compounds</td>
</tr>
<tr>
<td>Chlorinated hydrocarbons</td>
<td>BT: Halogenated hydrocarbons</td>
<td>Aldrin</td>
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<td></td>
<td></td>
<td>Chloroform</td>
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<td>DDE</td>
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<td>Dieldrin</td>
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<td>Dioxins</td>
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<td>Furans</td>
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<td>Lindane</td>
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<td></td>
<td></td>
<td>Trichloroethylene</td>
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<tr>
<td></td>
<td></td>
<td>RT: Pesticides</td>
</tr>
<tr>
<td>Chlorination</td>
<td>SN: Sterilization of water with</td>
<td>chlorine or chlorine compounds</td>
</tr>
<tr>
<td></td>
<td></td>
<td>USE: Chlorination</td>
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<tr>
<td></td>
<td></td>
<td>Chlorinators</td>
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<td></td>
<td></td>
<td>Halogenation</td>
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<td></td>
<td></td>
<td>Chlorine</td>
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<td></td>
<td>Chlorine compounds</td>
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<td></td>
<td>Chlorine isotopes</td>
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<td></td>
<td></td>
<td>Dechlorination</td>
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<td>Disinfection</td>
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<td>Sewage treatment</td>
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<td>Water purification</td>
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<tr>
<td>Chlorine compounds</td>
<td>BT: Halogen compounds</td>
<td>Chlorides</td>
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<td></td>
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<td>RT: Brines</td>
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<tr>
<td></td>
<td></td>
<td>Chloric acid</td>
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<td>Chlorine</td>
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<td>Chlorinity</td>
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<td>Chlorinity</td>
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<td>Dissolved salts</td>
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<td>Fluorine compounds</td>
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<td></td>
<td></td>
<td>Organic compounds</td>
</tr>
<tr>
<td>Chlorine isotopes</td>
<td>BT: Isotopes</td>
<td>RT: Chlorine</td>
</tr>
<tr>
<td>Chlorority</td>
<td>SN: Measured chemical value of the</td>
<td>amount of chloride in sea water</td>
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<tr>
<td></td>
<td></td>
<td>BT: Salinity</td>
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<td></td>
<td>RT: Chlorine compounds</td>
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<td>Chlorosity</td>
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<td></td>
<td></td>
<td>Fluorine compounds</td>
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<td></td>
<td></td>
<td>Water density</td>
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<tr>
<td>Chloropheilys</td>
<td>BT: Photosynthetic pigments</td>
<td>RT: Chloroplasts</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Porphyrens</td>
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<tr>
<td>Chloroplasts</td>
<td>RT: Cells</td>
<td>Cholorphylls</td>
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<td></td>
<td></td>
<td>Chromatophores</td>
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<td></td>
<td></td>
<td>Photosynthetic pigments</td>
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<tr>
<td>Chlorosity</td>
<td>SN: Chlorinity in grams/litre</td>
<td>BT: Salinity</td>
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<tr>
<td></td>
<td></td>
<td>RT: Chlorinity</td>
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<td></td>
<td></td>
<td>Water density</td>
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<tr>
<td>Cholesterol</td>
<td>BT: Sterols</td>
<td>RT: Blood cells</td>
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<tr>
<td>Choline</td>
<td>BT: Alcohols</td>
<td>RT: Lipids</td>
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<td>Cholinesterase inhibitors</td>
<td>USE: Anticholinesterases</td>
<td>BT: Enzyme inhibitors</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RT: Muscles</td>
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<td></td>
<td></td>
<td>Cholocalciferol</td>
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<td></td>
<td></td>
<td>USE: Vitamin D</td>
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<td></td>
<td></td>
<td>Chondriosomes</td>
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<tr>
<td></td>
<td></td>
<td>USE: Cell organelles</td>
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<tr>
<td>Chordate zoology</td>
<td>USE: Vertebrate zoology</td>
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<tr>
<td>Chorology</td>
<td>USE: Biogeography</td>
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<tr>
<td></td>
<td></td>
<td>Christmas trees</td>
</tr>
<tr>
<td></td>
<td></td>
<td>USE: Wellheads</td>
</tr>
<tr>
<td>Chromatic adaptations</td>
<td>BT: Adaptations</td>
<td>RT: Chromatic behaviour</td>
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<td>Chromatic pigments</td>
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<td></td>
<td></td>
<td>Colour</td>
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<tr>
<td>Chromatic behaviour</td>
<td>BT: Behaviour</td>
<td>RT: Chromatic adaptations</td>
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<td>Chromatic pigments</td>
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<td>Chromatophores</td>
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<td>Light effects</td>
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<td>Protective behaviour</td>
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<tr>
<td>Chromatic pigments</td>
<td>BT: Pigments</td>
<td>NT: Carotenoids</td>
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<tr>
<td></td>
<td></td>
<td>RT: Albinism</td>
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<td>Chromatic adaptations</td>
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<td>Chromatic behaviour</td>
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<td>Chromatophores</td>
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<td>Colour</td>
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<td>Discolouration</td>
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</tbody>
</table>
Chromatographic analysis
USE: Chromatographic techniques

Chromatographic techniques
UF: Chromatographic analysis
Chromatography
BT: Analytical techniques
NT: Gas chromatography
RT: Adsorption
Colorimetric techniques
HPLC
Light absorption
Spectroscopic techniques

Chromatography
USE: Chromatographic techniques

Chromatophores
UF: Erytrophores
Melanophores
Xanthophores
RT: Cells
Chloroplasts
Chromatic behaviour
Chromatic pigments

Chromite
BT: Oxide minerals
RT: Chromium
Placers

Chromium
BT: Heavy metals
Transition elements
RT: Chromite
Chromium compounds
Chromium isotopes
Heavy minerals

Chromium compounds
BT: Chemical compounds
RT: Chromium

Chromium isotopes
BT: Isotopes
RT: Chromium

Chromosome mutations
USE: Mutations

Chromosome numbers
USE: Chromosomes

Chromosomes
UF: Chromosome numbers
Karyomites
BT: Cell constituents
NT: Genes
RT: Genomes
Histones
Karyology
Karyotypes
Meiosis
Mitosis
Mutations
Polyploids
Sex determination

Chronometers
UF: Clocks
Time measuring equipment
Timing devices
BT: Measuring devices
RT: Geochronometry

Chronostratigraphy
BT: Stratigraphy

Ciguatera
BT: Human diseases
RT: Ciguatoxin
Poisonous fish

Ciguatotoxin
BT: Biological poisons
RT: Ciguatera
Poisonous fish

Cilia
BT: Animal appendages
RT: Flagella
Locomotion

Circadian rhythms
SN: Pertaining to 24-hour biological cycle
UF: Diurnal rhythms
BT: Biological rhythms
RT: Diurnal variations
Moon phases
Photoperiods
Phototropism

Circulation
SN: Use of a more specific term is recommended
NT: Atmospheric circulation
Blood circulation
Water circulation
RT: Advection

Circulatory system
UF: Vascular system
BT: Anatomical structures
NT: Blood vessels
Heart
RT: Blood
Blood circulation
Blood pressure

Citrates
BT: Carboxylic acid salts

Civil engineering
BT: Engineering
RT: Coastal engineering

Cladistics
BT: Classification
RT: Taxonomy

Clam culture
SN: Before 1982 search
MOLLUSC CULTURE
BT: Molluscs culture
RT: Clam fisheries
Spat

Clam fisheries
UF: Arkshell fisheries
Cockle fisheries
Quahog fisheries
BT: Mollusc fisheries
RT: Clam culture

Clapotis
USE: Standing waves

Classification
NT: Cladistics
Optical classification
Taxonomy
RT: Classification systems

Classification (biological)
USE: Taxonomy

Classification systems
SN: Systems for classification of inanimate objects or ecological or biological attributes of organisms
RT: Classification

Clastic deposits
USE: Clastics

Clastic rocks
USE: Clastics

Clastic sediments
USE: Clastics

Clastics
SN: Before 1982 search
CLASTIC SEDIMENTS
UF: Clastic deposits
Clastic rocks
Clastic sediments
BT: Sediments
NT: Arenites
Bentonite
Boulders
Breccia
Clays
Cobblestone
Contourites
Flysch
Gravel
Marlstone
Mud
Mudstone
Pebbles
Sand
Sandstone
Shale
Shingle
Silt
Siltstone
Turbidites
RT: Alluvial deposits
Boulder clay
Cementation
Detrital deposits
Eolian deposits
Glacial deposits
Radiolarite
Tephra
Terrigenous sediments

Clay minerals
BT: Silicate minerals
NT: Chlorite
Ilite
Kaolin
Kaolinite
Montmorillonite
Nontronite
Palygorskite
Saponite
Smectite
Vermiculite
RT: Bauxite
Clays

Clay soils
USE: Clays

Clays
UF: Clay soils
BT: Clastics
NT: Colloidal clay
Pelagic clay
RT: Argillaceous deposits
Clay minerals
Kaolin
Marl
Mud
Sediment load

Cleaning
NT: Tank cleaning
RT: Piggling

Cleaning behaviour
BT: Behaviour
RT: Symbiosis

Clear air turbulence
USE: Atmospheric turbulence

Cliffs
BT: Coastal landforms
RT: Caves
Fault scarps
Wave-cut platforms

Climate
NT: Hydroclimate
Palaeoclimatic
Weather
RT: Climate prediction
Climatic changes
Climatic data
Climatological zones
Climatology
Ocean-atmosphere system
Phenology
Rainfall
Seasons
Solar radiation
Wave climate
Winds

Climate prediction
BT: Prediction
RT: Climate
Weather forecasting

Climatic changes
NT: Global warming
RT: Air pollution
Atmospheric chemistry
Climate
Deglaciation
Earth rotation
Eustatic changes
Glaciation
Greenhouse effect
Long-term changes
Mass extinctions
Palaeoclimatic
Palaeotemperature
Sea level changes
Solar constant
Solar-terrestrial activity

Climatic data
UF: Climatological data
BT: Meteorological data
RT: Climate
Climatological charts
Climatology

Climatic maps
USE: Climatological charts

Climatic zones
SN: Mainly related to hydroclimate
NT: Polar zones
Subtropical zones
Temperate zones
RT: Arid environments
Climate
Climatology
Seasons

Climatological charts
UF: Climatic maps
BT: Maps
RT: Climatic data
Oceanographic atlases
Wave climate
Wind roses

Climatological data
USE: Climatic data

Climatologists
USE: Meteorologists

Climatology
BT: Atmospheric sciences
NT: Bioclimatology
Palaeoclimatology
RT: Climate
Climatic changes
Climatic data
Climatic zones
Geography

Phenology
Seasons
Winds

Climax community
SN: A stable community by climax
formation as consequence of a
successional series of ecological
changes
RT: Aquatic communities
Community composition
Dominant species
Ecological associations
Ecological succession
Species diversity

Clines
NT: Ecoclines
Geoclines
RT: Halocline
Lysocline
Thermocline

Clinoptilonite
BT: Zeolites

Cloaca
RT: Intestines
Urinary system

Clocks
USE: Chronometers

Clones
SN: Groups of organisms
genetically identical
RT: Asexual reproduction
Cells
Cloning
Genetics
Parthenogenesis

Cloning
RT: Asexual reproduction
Clones

Closed recirculating systems
USE: Recirculating systems

Closed seasons
USE: Season regulations

Closure approximation
BT: Approximation

Cloud cover
UF: Cloudiness
RT: Clouds
Insolation
Solar radiation
Terrestrial radiation
Weather

Cloud height
BT: Height
RT: Clouds
Cloud physics
BT: Atmospheric physics
RT: Clouds

Cloudiness
USE: Cloud cover

Clouds
UF: Cumulus
BT: Hydrometeors
NT: Fog
RT: Atmospheric precipitations
Cloud cover
Cloud height
Cloud physics
Weather

Clupeoid fisheries
UF: Anchovy fisheries
Herring fisheries
Pilchard fisheries
Sardine fisheries
Sardinella fisheries
Sprat fisheries
BT: Finfish fisheries
RT: Bait fisheries
Coastal fisheries

Clutch
UF: Clutch size
RT: Bird eggs
Hatching
Nesting
Nests

Clump size
USE: Clutch

Cnoidal waves
BT: Shallow water waves
RT: Surface gravity waves

CNS
USE: Central nervous system

Coagulants
UF: Coagulators
BT: Agents
RT: Anticoagulants
Chemical precipitation
Coagulation
Drugs

Coagulation
BT: Chemical reactions
RT: Biochemical oxygen demand
Coagulants
Flotation
Water treatment

Coagulators
USE: Coagulants

Coal
BT: Fossil fuels
Coamplitude lines
USE: Isopleths

Coarse fish
SN: Freshwater fish not belonging to the family Salmonidae
BT: Freshwater fish

Coast accretion
USE: Progradation

Coastal engineering
BT: Engineering
RT: Civil engineering
Coastal defences
Coastal structures
Coastal zone management
Geotechnology
Marine technology
River engineering
Shore protection
Structural engineering

Coastal environment
USE: Coastal zone

Coastal erosion
UF: Shoreline erosion
BT: Erosion
NT: Beach erosion
RT: Breakwaters
Coastal landforms
Coastal zone
Coasts
Deltas
Land reclamation
Retrogradation
Sediment transport
Shore protection

Coastal erosion features
USE: Erosion features

Coastal fisheries
BT: Fisheries
RT: Artisanal fishing
Clupeoid fisheries
Crustacean fisheries
Echinoderm fisheries
Estuarine fisheries
Fishing barriers
Lake fisheries
Marine fisheries
Percoid fisheries
Scallop fisheries

Coastal geodesy
BT: Geodesy
RT: Marine geodesy

Coastal geodesy
BT: Geodesy
RT: Marine geodesy

Coastal inlets
UF: Voes
BT: Coastal landforms
Coastal waters
NT: Bays
Drowned valleys
Estuaries
Fjords
Inlets (waterways)
Tidal inlets
RT: Coastal lagoons
Coastal oceanography
Coastal zone
Coasts

Coastal currents
BT: Water currents
RT: Coastal countercurrents
Coastal oceanography
Nearshore currents
Upwelling
Wind-driven currents

Coastal currents (littoral)
USE: Nearshore currents

Coastal dunes
USE: Dunes
Coastal jets
BT: Jets
RT: Coastal boundary layer
Lake currents
Lake dynamics
Longshore currents
Nearshore dynamics
Shelf dynamics

Coastal lagoons
UF: Haff
BT: Lagoons
RT: Barrier islands
Barrier spits
Brackishwater ecology
Brackishwater environment
Coastal inlets
Coastal waters
Sabkhas

Coastal landforms
UF: Coastal topographic features
Shoreline features
BT: Landforms
NT: Barrier islands
Beaches
Caves
Chenier plains
Cliffs
Coastal inlets
Deltas
Headlands
Palaeshorelines
Rocky shores
Stacks
Tidal flats
RT: Coastal erosion
Coastal morphology
Drowned valleys

Coastal morphology
UF: Morphology (coastal)
BT: Geomorphology
NT: Beach morphology
RT: Coastal landforms
Lake shores
Progradation
Retrogradation

Coastal nations
USE: Coastal states

Coastal oceanography
UF: Nearshore oceanography
BT: Oceanography
RT: Coastal currents
Coastal inlets
Coastal waters
Estuarine dynamics
Nearshore currents
Nearshore dynamics
Shelf dynamics

Coastal planning
USE: Coastal zone management

Coastal reclamation
USE: Land reclamation

Coastal states
UF: Coastal countries
Coastal nations
Littoral states
Sea states (countries)
BT: Countries
RT: Coastal zone
Exclusive economic zone
Extended jurisdiction
Landlocked states
Territorial waters

Coastal structures
BT: Hydraulic structures
NT: Coast defences
Piers
Port installations
RT: Barrages
Coastal engineering
Coastal zone management
Design wave
Harbours
Shore protection

Coastal topographic features
USE: Coastal landforms

Coastal trapped waves
USE: Trapped waves

Coastal upwelling
BT: Upwelling
RT: Coastal countercurrents
Eastern boundary currents
El Nino phenomena
Shelf dynamics
Trade winds

Coastal waters
UF: Inshore waters
BT: Water bodies
NT: Coastal inlets
Straits
RT: Coastal lagoons
Coastal oceanography
Coastal zone
Coasts
Littoral zone
Marginal seas
Nearshore dynamics
Shelf dynamics

Coastal zone
SN: The band of dry land and adjacent ocean space in which land ecology and use directly affect ocean space ecology and use, and vice versa
UF: Coastal environment
Nearshore environment
RT: Beaches
Coast defences
Coastal erosion
Coastal inlets

Coastal states
Coastal waters
Coastal zone management
Coasts
Littoral zone
Marine environment
Riparian zone
Tidal flats

Coastal zone management
UF: Coastal planning
BT: Ecosystem management
NT: Integrated coastal zone management
Shore protection
RT: Coast defences
Coastal engineering
Coastal structures
Coastal zone
Dune stabilization
Lake reclamation
Land reclamation

Coastguards
RT: Surveillance and enforcement
Coastlines
USE: Coasts

Coasts
UF: Coastlines
Sea coast
Seacoast
Shorelines
BT: Landforms
NT: Emergent shorelines
Relict shorelines
Strandlines
Submerged shorelines
RT: Beaches
Coastal erosion
Coastal inlets
Coastal waters
Coastal zone
Deltas
Dunes
Progradation
Regressions
Retrogradation
Rip currents
Rip currents
Riparian environments
Rocky shores
Transgressions

Coating materials
UF: Coatings
Protective coatings
BT: Materials
NT: Paints
Plastic coatings
Primers
RT: Antifouling substances
Coating processes
Fouling control
Coating processes
RT: Coating materials
Corrosion control
Fouling control
Coatings
USE: Coating materials
Coaxial cables
BT: Electric cables
RT: Submarine cables
Cobalt
BT: Heavy metals
Transition elements
RT: Cobalt compounds
Cobalt isotopes
Ferromanganese nodules
Cobalt compounds
BT: Chemical compounds
RT: Cobalt
Cobalt isotopes
BT: Isotopes
RT: Cobalt
Cobbles
USE: Cobblestone
Cobblestone
UF: Cobbles
BT: Clastics
Sedimentary rocks
RT: Boulders
Rudites
Coccoliths
SN: Minute calcareous plates of algal, protozoan or protist origin
RT: Calcareous ooze
Carbonate sediments
Chalk
Nannofossil ooze
Cockle fisheries
USE: Clam fisheries
Cod fisheries
USE: Gadoid fisheries
Codends
Codes of practice
USE: Standards
Codex alimentarius
USE: Codex standards
Codex standards
SN: International standards for fish and fishery products
UF: Codex alimentarius
BT: Standards
RT: Fish inspection regulations
Processing fishery products
Coefficient of eddy viscosity
USE: Eddy viscosity coefficient
Coefficients
NT: Exchange coefficients
RT: Constants
Kurtosis
Ratios
Skewness
Coelom
BT: Body cavities
RT: Amoebocytes
Coelomic fluids
BT: Body fluids
RT: Coelom
Coelomic fluids
USE: Colonies
Coenzymes
UF: Glutathione
BT: Enzymes
NT: Cytochromes
RT: Vitamins
Coherent Light Detection and Rangefinding
USE: Lidar
Cohesionless sediments
UF: Non-cohesive sediments
BT: Sediments
RT: Cohesive sediments
Fluidized sediment flow
Grain flow
Gravel
Silt
Turbidity currents
Cohesive sediments
BT: Sediments
RT: Cohesionless sediments
Mud
Shear strength
Soil mechanics
Vane shear testing
Cohort analysis
USE: Virtual population analysis
Cohorts
RT: Ecological associations
Cold blooded animals
USE: Poikilothermy
Cold branding
SN: Marking fish with liquid nitrogen
UF: Freeze branding
Kryogenic marking
BT: Marking
Cold fronts
USE: Atmospheric fronts
Cold resistance
UF: Frost resistance
BT: Biological resistance
RT: Cold shock
Cryobiology
Temperature tolerance
Cold season
BT: Seasons
RT: Air temperature
Water temperature
Winter
Cold shock
BT: Temperature effects
RT: Cold resistance
Heat shock
Cold storage
UF: Refrigeration storage
BT: Storage
NT: Chilling storage
Freezing storage
RT: Fish storage
Refrigeration
Refrigerators
Cold tolerance
USE: Temperature tolerance
Cold water diseases
USE: Peduncle disease
Cold water masses
BT: Water masses
RT: Temperature sections
Thermal stratification
Water temperature
Collagen
BT: Proteins
RT: Connective tissues
Collapse strength
BT: Strength
RT: Deformation
Yield point
Collected papers
UF: Festschriften
Honour volumes
BT: Documents
Collecting devices
SN: Devices for collection of aquatic organisms
NT: Bacteria collecting devices
Benthos collecting devices
Nekton collecting devices
Plankton collecting devices
RT: Biological sampling
Limnological equipment
Oceanographic equipment
Samplers
Sediment traps
Collections
SN: Use of a more specific term is recommended
NT: Biological collections
Data collections
Geological collections
Mineral collections
Museum collections
Sediment collections
RT: Catalogues

Collision avoidance
RT: Collisions
Navigation regulations
Radar navigation
Traffic management

Collisions
UF: Impacts
BT: Accidents
RT: Collision avoidance
Ship losses
Sinking

Colloidal clay
BT: Clays
Suspended inorganic matter
RT: Colloids

Colloids
UF: Dispersions (chemical)
NT: Aerosols
BT: Gels
RT: Agar
Body fluids
Chemical precipitation
Colloidal clay
Dialysis
Electrophoresis
Emulsions
Enzymes
Flocculation
Foams
Suspended particulate matter
Turbidity

Colloquia
USE: Conferences

Colonies
UF: Coenobia
RT: Colonization
Ecological associations
Gemmules
Introduced species

Colonisation
USE: Colonization

Colonization
UF: Colonisation
RT: Biological settlement
Colonies
Ecosystem resilience
Habitat selection
Introduced species
Seeding (aquaculture)

Settling behaviour
Substrate preferences

Color
USE: Colour

Coloration
USE: Colour

Colorimetric techniques
UF: Colorimetry
BT: Analytical techniques
RT: Chromatographic techniques
Colour
Light measurement
Photometry
Spectroscopic techniques

Colorimetry
USE: Colorimetric techniques

Colour
USE: Colour

Commensalism
BT: Interspecific relationships
RT: Commensals
Epizoites
Parasites
Symbiosis

Commensals
RT: Commensalism
Symbionts

Commerce
RT: Economics
Trade

Commercial aquaculture
USE: Aquaculture enterprises

Commercial availability
SN: Commercial availability of primary and secondary fishery products
BT: Availability

Commercial exploitation
USE: Exploitation

Commercial fisheries
USE: Fisheries

Commercial fishing
SN: Any activities of fishing or harvesting of aquatic organisms for commercial purposes
BT: Fishing
NT: Foreign fishing
Overfishing
Underfishing
RT: Commercial species
Fishery industry

Commercial land use
USE: Land use

Commercial legislation
SN: Before 1982 search
MARKETING LEGISLATION
UF: Marketing legislation
BT: Legislation
NT: Fish inspection regulations
RT: Pricing
Quality control

Commercial organizations
USE: Companies

Commercial species
SN: Animal or vegetal aquatic species of commercial value
UF: Economic species
BT: Species
NT: Underutilized species
RT: Catch composition
Commercial fishing

Commercialization
USE: Marketing

Comminuted products
USE: Minced products

Commodity statistics
USE: Industrial products statistics

Common names
USE: Vernacular names

Common property resources
SN: Natural resources held or used by all who choose to do so
UF: Open access resources
BT: Natural resources
RT: Fishing capacity

Common salt
USE: Sodium chloride

Communicable diseases
USE: Infectious diseases

Communication
NT: Animal communication
Satellite communication
RT: Communication systems
Speech distortion
Communication satellites
BT: Satellites
RT: Satellite communication

Communication systems
SN: Before 1982 search also
COMMUNICATION DEVICES
UF: Telecommunications
NT: Radio
Television systems
Telex
RT: Communication
Diving equipment
Microwaves
Radio buoys
Standard signals
Submarine cables
Telemetry

Communities (ecological)
USE: Aquatic communities

Community composition
BT: Composition
RT: Aquatic communities
Biocoenosis
Biological surveys
Biota
Climax community
Dominant species
Ecological succession
Species diversity

Community diversity
USE: Species diversity

Community fishing
SN: A fishing activity exerted in public or communal waters generally designed to meet community needs
USE: Sport fishing

Community planning
BT: Planning

Compaction
BT: Diagenesis
RT: Bearing capacity
Consolidation
Porosity
Settlement (structural)
Soil mechanics

Companies
UF: Commercial organizations
BT: Organizations

Comparative studies
RT: Cost analysis

Compartmental models
USE: Mathematical models

Compasses
UF: Magnetic compasses
BT: Direction indicators
Measuring devices
Navigational aids
NT: Gyrocompasses
RT: Surveying

Compensation depth
SN: Zone in aquatic environment where just enough light penetrates for the rate of photosynthesis to equal the rate of respiration
UF: Compensation level
NT: Carbonate compensation depth
RT: Aerobic respiration
Euphotic zone
Light penetration
Photosynthesis
Primary production

Compensation depth (carbonate)
USE: Carbonate compensation depth

Compensation depth (isostasy)
USE: Isostasy

Compensation depth (oceans)
USE: Carbonate compensation depth

Compensation level
USE: Compensation depth

Competition
UF: Biological competition
BT: Interspecific relationships
RT: Associated species
Biotic pressure
Competitive behaviour
Competitors
Dominance hierarchies
Food availability
Natural selection
Overcrowding
Prey selection

Competitive behaviour
BT: Behaviour
RT: Competition
Competitors
Home range
Territoriality

Competitors
RT: Competition
Competitive behaviour
Predators

Completion (well)
USE: Well completion

Complex lipids
UF: Glycolipids
Phospholipids
Sphingolipids
BT: Lipids

Compressional wave velocities
BT: Seismic velocities
RT: P-waves

Composition
SN: The nature of the elements present in a substance or organism and the proportion in which they occur. Use of a more specific term is recommended
NT: Biochemical composition
Chemical composition
Community composition
Mineral composition
Sediment composition
RT: Major constituents

Composts
BT: Organic fertilizers

Compounds (organic)
USE: Organic compounds

Compounds (organic)
USE: Organic compounds

Compressed gas
BT: Gases
RT: Compressors

Compressibility
BT: Mechanical properties
RT: Bulk modulus
Compression
Elasticity
Plasticity
Porosity

Compression
BT: Stress (mechanics)
RT: Compressibility
Deformation
Lithification
Pressure

Compression chambers
USE: Decompression chambers

Compression tables
USE: Decompression tables

Compliant platforms
USE: Guyed towers

Compliant towers
USE: Guyed towers

Components
RT: Equipment
Materials

Composite cultures
USE: Polyculture

Composite materials
BT: Materials

Companies
UF: Commercial organizations
BT: Organizations

Comparative studies
RT: Cost analysis

Compartmental models
USE: Mathematical models
Compressional waves (seismic)
USE: P-waves

Compressive strength
BT: Strength
RT: Poisson's ratio

Compressors
UF: Air compressors
RT: Compressed gas
Diving equipment

Computation
RT: Computer programs
Mathematics
Models

Computed tomography
USE: Tomography

Computer aided cartography
USE: Automated cartography

Computer models
USE: Mathematical models

Computer programmes
USE: Computer programs

Computer programs
SN: Before 1986 search also
COMPUTER PROGRAMMES
UF: Computer programmes
RT: Algorithms
Artificial intelligence
Computation
Computers
Data processing
Linear programming
Numerical analysis
System analysis

Computerized axial tomography
USE: Tomography

Computers
SN: Before 1985 search also
MINICOMPUTERS
UF: Microcomputers
Minicomputers
Shipboard computers
BT: Electronic equipment
RT: Automation
Computer programs
Data processing
Data storage
Microprocessors
Robots

Concessions
SN: Use only for rights to exploit or explore for mineral resources
UF: Mineral rights
BT: Licences
RT: Mineral exploration
Mining legislation
Oil and gas exploration
Oil and gas legislation

Conch culture
USE: Mollusc culture

Conch fisheries
USE: Gastropod fisheries

Conchology
SN: The branch of zoology dealing with shells of animals (molluscs, brachiopods, etc.)
BT: Zoology
RT: Malacology
Shells

Concrete
UF: Cement (building material)
BT: Construction materials
NT: Prestressed concrete
Reinforced concrete
RT: Concrete structures

Concrete platforms
USE: Concrete structures

Concrete structures
SN: Before 1986 search also
CONCRETE PLATFORMS
UF: Concrete platforms
BT: Structures
RT: Concrete
Offshore structures
Steel structures

Concretions
SN: Use only for mineral deposits formed within sediments
UF: Crusts (rocks)
Encrustations
BT: Chemical sediments
RT: Cherts
Nodules
Ooids
Oolites
Sedimentary structures

Condensate fields
USE: Gas condensate fields

Condensation
BT: Phase changes
RT: Dew point
Evaporation
Hydrometeors
Saturation
Sublimation
Vaporization heat
Vapour pressure
Water vapour

Condition factor
UF: Ponderal index
BT: Population factors
RT: Body conditions
Growth
Length-weight relationships

Conductance (electrical)
USE: Electrical conductivity

Conductivity (heat)
USE: Heat conduction

Conductive heat transfer
USE: Heat conduction

Conductivity (electrical)
USE: Electrical conductivity

Conductivity (thermal)
USE: Thermal conductivity

Conductivity probes
USE: Conductivity sensors

Conductivity ratio
BT: Ratios
RT: Electrical conductivity

Conductivity sensors
UF: Conductivity probes
Electrical conductivity sensors
BT: Sensors
RT: CTD profilers
Electrical conductivity
Salinity measuring equipment
STD profilers

Conductivity-temperature-depth observations
USE: CTD observations

Conductivity-temperature depth profilers
USE: CTD profilers

Conductivity-temperature-depth profilers
USE: CTD profilers

Conferences
SN: Use only to index the monographic entry for bound proceedings, and general reports on meetings; do not use for individual (analytic) conference papers
UF: Colloquia
Meetings
Proceedings
Seminars
Symposia
Workshops
RT: Exhibitions
Lectures
Organizations

Configuration
USE: Shape

Conflict of interests
USE: Disputes

Conflicts
USE: Disputes
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Conglomerates
RT: Breccia
Calcrete
Kimberlites

Conidia
SN: Asexually formed spores produced by fungi
BT: Spores
RT: Asexual reproduction
Fungi

Conjugation
RT: Sexual reproduction

Connecting
UF: Coupling (joining components)
Tie-in
RT: Connectors
Pipeline construction

Connective tissues
BT: Tissues
NT: Cartilage
RT: Blood
Blood vessels
Bones
Collagen
Musculoskeletal system
Nerves

Connectors
UF: Couplings (components)
Underwater connectors
RT: Connecting
Electric cables
Manifolds

Conservation
SN: Conservation of nature and resources. Use of a more specific term is recommended
UF: Stream conservation
NT: Nature conservation
Resource conservation
Soil conservation
Water conservation
RT: Conservation principles
Depletion
Environmental legislation
Environmental protection
Reclamation
Conservation (fishery products)
USE: Processing fishery products
Conservation (organisms)
USE: Fixation

Conservation equations
BT: Equations
RT: Diffusion
Equation of continuity

Conservation of angular momentum
BT: Conservation of momentum
RT: Angular momentum
Conservation of vorticity

Conservation of energy
BT: Conservation principles
RT: Energy

Conservation of heat
BT: Conservation principles
RT: Heat
Heat transport

Conservation of mass
BT: Conservation principles
RT: Equation of continuity
Mass

Conservation of momentum
UF: Momentum conservation
BT: Conservation principles
NT: Conservation of angular momentum
RT: Momentum

Conservation of salt
BT: Conservation principles
RT: Salt advection
Salt budget
Salts
Water exchange
Conservation of volume
USE: Equation of continuity

Conservation of vorticity
BT: Conservation principles
RT: Absolute vorticity
Barotropic mode
Conservation of angular momentum
Mesoscale eddies
Momentum

Conservation principles
NT: Conservation of energy
Conservation of heat
Conservation of mass
Conservation of momentum
Conservation of salt
Conservation of vorticity
RT: Conservation

Conservative properties
BT: Properties
RT: Enthalpy
Non-conservative properties
Salinity
Water masses

Consolidation
BT: Diagenesis
RT: Cementation
Compaction
Lithification
Soil mechanics

Constants
NT: Association constants
Elastic constants
Solar constant
Stability constants
RT: Coefficients
Ratios

Construction
UF: Assembling
NT: Installation
Pipeline construction
RT: Construction materials

Construction materials
BT: Materials
NT: Concrete
RT: Construction
Fibre glass

Consultants
BT: Personnel
RT: Experts
Scientific personnel

Consumers
UF: Purchasers
RT: Purchasing

Contagious diseases
USE: Infectious diseases

Container ports
USE: Ferry terminals

Container ships
BT: Merchant ships

Containers
UF: Boxes
Cans
Packages
NT: Tanks

Containment
BT: Pollution control
RT: Barrages
Barriers
Oil slicks
Oil spills

Contamination
USE: Pollution

Contamination (internal)
USE: Radionuclide kinetics

Contamination (radioactive)
USE: Radioactive contamination

Contamination of samples
USE: Sample contamination

Contiguous fishing zones
USE: Contiguous zones
Contiguous zones
SN: Offshore area claimed by a nation for exclusive fishing rights
UF: Contiguous fishing zones
BT: Ocean space
RT: Exclusive economic zone
Fishery boundaries
Fishing rights
Territorial waters

Continental aerosols
USE: Aerosols

Continental borderland
USE: Continental margins

Continental crust
BT: Earth crust
RT: Continents
Cratons
Obduction
Oceanic crust
Oceanization
Sial

Continental drift
UF: Continental migration
Drift (continental)
Wegener hypothesis
RT: Continents
Drift
Earth mantle
Moho
Ocean basins
Palaeoclimate
Palaeomagnetism
Plate tectonics
Polar wandering
Seafloor spreading
Tectonophysics

Continental margins
SN: Before 1994 search also CONTINENTAL BORDERLAND
UF: Borderland (continental)
Continental borderland
Margins (continental)
BT: Submarine features
NT: Active margins
RT: Continental rise
Continental shelves
Continental slope
Continents
Cratons
Island arcs
Oceanic trenches

Continental migration
USE: Continental drift

Continental nations
USE: Landlocked states

Continental ridges
BT: Ridges
Submarine features

Continental rise
UF: Rise (continental)
BT: Submarine features
RT: Abyssal plains
Continental margins
Continental shelves
Continental slope
Contour currents
Nepheloid layer
Ocean floor

Continental shelf
USE: Continental shelves

Continental shelf break
USE: Shelf edge

Continental shelf edge
USE: Shelf edge

Continental shelves
SN: Before 1982 search also CONTINENTAL SHELF
UF: Continental shelf
BT: Submarine features
NT: Outer continental shelf
RT: Continental margins
Continental rise
Continental slope
Littoral zone
Marine environment
Neritic province
Offshore
Shallow water
Shelf dynamics
Shelf edge
Shelf edge fronts
Shelf geology
Shelf seas
Shelf sedimentation
Submarine canyons
Territorial waters

Continental slope
BT: Submarine features
RT: Continental margins
Continental rise
Continental shelves
Continents
Contour currents
Island slope
Marginal basins
Ocean floor
Shelf edge
Slope environment
Slopes (topography)
Slumping
Submarine canyons

Continents
BT: Landforms
RT: Continental crust
Continental drift
Continental margins
Continental slope
Cratons
Earth structure
Epeirogeny
Island arcs

Continuity equation
USE: Equation of continuity

Continuous culture
BT: Aquaculture techniques
RT: Aquaria
Batch culture
Culture tanks
Phytoplankton culture
Zooplankton culture

Continuous profilers
USE: Profilers

Continuous tracking
USE: Tracking

Contour currents
BT: Surface currents
RT: Bed forms
Bottom erosion
Continental rise
Continental slope
Contourites
Nepheloid layer
Topographic effects
Western boundary undercurrents

Contour feathers
USE: Feathers

Contourites
BT: Clastics
RT: Contour currents

Contours
BT: Isopleths
NT: Isobaths
RT: depth
Profiles
Shape
Topography

Contractile vacuole
USE: Cell organelles

Contractors
BT: Personnel
RT: Contracts

Contracts
RT: Contractors

Control
SN: Use of a more specific term is recommended
UF: Control systems
NT: Biological control
Blowout control
Chemical control
Corrosion control
Depth control
Disease control
Erosion control
Flood control
Fouling control
Parasite control
Pest control
Plant control
Pollution control
Predator control
Quality control
Remote control
RT: Control resistance
Damping
Monitoring

Control charts
BT: Maps
RT: Critical path method
Quality control

Control resistance
UF: Antibiotic resistance
Chemical resistance
Resistance to chemicals
BT: Biological resistance
RT: Control
Drug resistance

Control systems
USE: Control

Controlled conditions
UF: Laboratory conditions
RT: Experimental research
Laboratories
Laboratory culture

Convection
UF: Convective heat transfer
BT: Advection
NT: Atmospheric convection
Cellular convection
Mantle convection
Oceanic convection
RT: Heat transfer
Heat transport
Mass transfer
Convective heat transfer
USE: Convection

Convective overturn
USE: Overturn

Conventions
USE: International agreements

Convergence
NT: Plate convergence
RT: Convergence zones
Divergence
Downwelling
Frontal features
Frontogenesis
Horizontal motion
Langmuir circulation

Convergence zones
NT: Atmospheric convergences
Intertropical convergence zone

Converging plate boundaries
BT: Plate boundaries
RT: Diverging plate boundaries
Island arcs
Oceanic trenches
Plate convergence
Subduction zones

Conversion efficiency
USE: Food conversion

Conversion factors
RT: Animal metabolism
Bioenergetics
Conversion tables
Feed efficiency
Oxygen consumption

Conversion tables
UF: Nomograms
BT: Tables
RT: Conversion factors
Meteorological tables
Numerical analysis
Oceanographic tables

Conversion tables (meteorology)
USE: Meteorological tables

Convolution
BT: Mathematical analysis
RT: Cross correlation
Deconvolution
Seismic data processing

Cooling
UF: Heat dissipation
BT: Heat transfer
RT: Cooling ponds
Cooling systems
Cooling water
Freezing
Heating

Cooling ponds
BT: Ponds
RT: Cooling
Power plants
Thermal pollution

Cooling systems
RT: Cooling
Open systems

Cooling water
BT: Water
RT: Cooling
Entrainment
Power plants
Thermal pollution

Cooperatives
UF: Fishery cooperatives
RT: Fishery organizations

Coordinate systems
UF: Cartesian coordinates
RT: Geodetic coordinates
Geographical coordinates

Copepod culture
USE: Crustacean culture

Copolymerization
USE: Polymerization

Copper
BT: Heavy metals
Transition elements
RT: Copper compounds
Ferromanganese nodules
Haemocyanins
Metalliferous sediments

Copper compounds
BT: Chemical compounds
RT: Copper

Coprecipitation
BT: Chemical precipitation
RT: Flocculation

Coral
SN: Before 1982 search also CORALS
BT: Animal products
RT: Atolls
Calcium compounds
Coral farming
Coral reefs

Coral culture
USE: Coral farming

Coral farming
UF: Coral culture
BT: Cultures
RT: Coral
Coral reefs
Marine aquaculture

Coral islands
USE: Atolls

Coral reefs
UF: Reefs (coral)
BT: Biogenic deposits
Reefs
NT: Barrier reefs
Fringing reefs
RT: Atolls
Biogenic sedimentary structures
Bioherms
Carbonate rocks
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Cays
Coral
Coral farming
Lagoons
Marine environment
Polyps
Reef fish
Reef fisheries
Tropical fish

Core samples
USE: Cores

Core sampling
USE: Coring

Corers
SN: Before 1982 search CORING DEVICES
UF: Boomerang corers
Coring devices
Free-fall corers
BT: Sediment samplers
NT: Gravity corers
Piston corers
Vibrarory corers
RT: Cores
Coring
Drilling equipment
Penetrometers

Correlations
USE: Correlation analysis

Core analysis
BT: Analysis
Sediment analysis
RT: Core handling
Cores

Core handling
RT: Core analysis
Core recovery
Cores
Coring
Sample storage

Core layer method
RT: Core layers (water)
Outflow waters
T/S diagrams
Water mixing

Core layers (water)
BT: Layers
NT: Oxygen maximum layer
Oxygen minimum layer
Salinity maximum layer
Salinity minimum layer
Temperature maximum layer
Temperature minimum layer
RT: Core layer method
T/S diagrams
Water masses
Water types

Core orientation
UF: Magnetic core orientation
BT: Orientation
RT: Cores
Remanent magnetization

Core recovery
BT: Recovery
RT: Core handling
Cores
Coring

Core samples
USE: Cores

Core sampling
USE: Coring

Corers
SN: Before 1982 search CORING DEVICES
UF: Boomerang corers
Coring devices
Free-fall corers
BT: Sediment samplers
NT: Gravity corers
Piston corers
Vibrarory corers
RT: Cores
Coring
Drilling equipment
Penetrometers

Core recovery
BT: Recovery
RT: Core handling
Cores
Coring

Core samples
USE: Cores

Core sampling
USE: Coring

Corers
SN: Before 1982 search CORING DEVICES
UF: Boomerang corers
Coring devices
Free-fall corers
BT: Sediment samplers
NT: Gravity corers
Piston corers
Vibrarory corers
RT: Cores
Coring
Drilling equipment
Penetrometers

Core analysis
BT: Analysis
Sediment analysis
RT: Core handling
Cores

Core handling
RT: Core analysis
Core recovery
Cores
Coring
Sample storage

Core layer method
RT: Core layers (water)
Outflow waters
T/S diagrams
Water mixing

Core layers (water)
BT: Layers
NT: Oxygen maximum layer
Oxygen minimum layer
Salinity maximum layer
Salinity minimum layer
Temperature maximum layer
Temperature minimum layer
RT: Core layer method
T/S diagrams
Water masses
Water types

Core orientation
UF: Magnetic core orientation
BT: Orientation
RT: Cores
Remanent magnetization

Core recovery
BT: Recovery
RT: Core handling
Cores
Coring

Core samples
USE: Cores

Core sampling
USE: Coring

Corers
SN: Before 1982 search CORING DEVICES
UF: Boomerang corers
Coring devices
Free-fall corers
BT: Sediment samplers
NT: Gravity corers
Piston corers
Vibrarory corers
RT: Cores
Coring
Drilling equipment
Penetrometers

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BT: Recovery
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Cores
Coring

Coriolis parameters
BT: Parameters
RT: Absolute vorticity
Beta spirals
Beta-plane
Coriolis acceleration
Coriolis force
Ekman spiral
Planetary vorticity
Rossby parameter
Stream functions

Corrections
NT: Gravity corrections
RT: Errors

Correlation
NT: Geological correlation
RT: Correlation analysis

Core analysis
UF: Correlation functions
BT: Statistical analysis
NT: Autocorrelation
Cross correlation
RT: Correlation
Numerical taxonomy
Regression analysis
Time series analysis
Variance analysis

Correlation functions
USE: Correlation analysis

Correlation
NT: Geological correlation
RT: Correlation analysis

Corrosion
UF: Cavitation erosion
Crevice corrosion
Pitting
Rust
BT: Chemical reactions
NT: Cracking (corrosion)
Stress corrosion
RT: Antioxidants
Cavitation
Chemical degradation
Corrosion control
Deterioration
Electrochemistry
Electrolysis
Fatigue (materials)
Oxidation
Splash zone
Weathering

Corrosion control
UF: Anticorrosion material
Corrosion inhibition
Corrosion prevention
Corrosion protection
BT: Control
NT: Cathodic protection
RT: Antioxidants
Coating processes
Corrosion
Maintenance and repair
Stainless steel
Corrosion cracking
USE: Cracking (corrosion)
Corrosion inhibition
USE: Corrosion control
Corrosion prevention
USE: Corrosion control
Corrosion protection
USE: Corrosion control
Cosine collectors
BT: Light measuring instruments
RT: Irradiance
Cosmic dust
UF: Dust (cosmic)
BT: Dust
Extraterrestrial material
RT: Eolian dust
Sediments
Cosmic radiation
UF: Cosmic rays
BT: Ionizing radiation
Cosmic rays
USE: Cosmic radiation
Cosmic spherules
UF: Magnetic spherules
BT: Extraterrestrial material
RT: Magnetite
Cosmopolite species
BT: Species
RT: Biogeography
Geographical distribution
Cost analysis
SN: Study of costs related to technical and financial operations in aquaculture, commercial fishing, fishing industry, marketing, trade, etc.
BT: Analysis
RT: Comparative studies
Costs
UF: Expenses
Prices
NT: Labour costs
Operational costs
Production cost
RT: Cost analysis
Pricing
Purchasing
Cotidal charts
BT: Tidal charts
RT: Cotidal lines
Tidal propagation
Cotidal lines
BT: Isopleths
RT: Amphidromic systems
Cotidal charts
High tide
Tidal range
Couette flow
BT: Laminar flow
RT: Shear stress
Countercurrents
BT: Water currents
NT: Coastal countercurrents
Equatorial countercurrents
RT: Ocean currents
Counters
SN: Automatic devices for biological and physical counting
NT: Bacterial counters
Cell counters
Egg counters
Fish counters
Geiger counters
Particle counters
Countries
UF: States (political)
NT: Coastal states
Developed countries
Developing countries
Landlocked states
RT: Governments
Coupled bodies
RT: Hydrodynamics
Coupling (joining components)
USE: Connecting
Couplings (components)
USE: Connectors
Courtship
RT: Display behaviour
Reproductive behaviour
Crayfish culture
USE: Crayfish culture
Crawfish farming
RT: Crustacean culture
RT: Pond culture
Rice field aquaculture
Creeal census
USE: Sport fishing statistics
Crab culture
SN: Before 1982 search
CRUSTACEAN CULTURE
UF: Brackishwater crab culture
Freshwater crab culture
Marine crab culture
BT: Crustacean culture
RT: Polyculture
Pond culture
Crab fisheries
UF: Dungeness crab fisheries
Edible crab fisheries
King crab fisheries
Market crab fisheries
Snow crab fisheries
Tanner crab fisheries
BT: Crustacean fisheries
RT: Trap fishing
Cranes
UF: Derricks
Hoists
BT: Lifting tackle
RT: Crane barges
Cratons
RT: Continental crust
Continental margins
Continents
Platforms (geology)
Credit management
USE: Financial management
Crack propagation
RT: Cracks
Deterioration
Cracking (corrosion)
UF: Corrosion cracking
BT: Corrosion
RT: Cracks
Embrittlement
Cracks
BT: Defects
RT: Crack propagation
Cracking (corrosion)
Fractures
Crane barges
BT: Barges
RT: Cranes
Support ships
Crawfish culture
USE: Astaciculture
Crawfish farming
BT: Crustacean culture
RT: Pond culture
Crawlers
USE: Seabed vehicles
Crawfish culture
USE: CRUSTACEAN CULTURE
UF: Astaciculture
Crawfish culture
Crayfish fisheries
USE: Lobster fisheries
Crawfish culture
USE: Crayfish culture
Credit management
USE: Financial management
Creel census
USE: Sport fishing statistics
Creep
UF: Solifluction
RT: Deformation
Landslides
Mass movement
Slides
Slope stability
Slumping
Soil mechanics

Cretaceous
SN: Before 1982 search
CRETACEOUS PERIOD
BT: Mesozoic

Crevice corrosion
USE: Corrosion

Crew
BT: Personnel

Cristobalite
BT: Oxide minerals
RT: Silica

Critical flow
BT: Fluid flow

Critical path method
BT: Operations research
RT: Control charts
Numerical analysis
PERT
Prediction

Croaker fisheries
USE: Percoid fisheries

Crocodile farming
USE: Reptile culture

Cross breeding
USE: Hybrid culture

Cross correlation
BT: Correlation analysis
RT: Autocorrelation
Convolution

Cross pollination
USE: Pollination

Crowding
USE: Stocking density

Crude oil
BT: Petroleum
RT: Natural gas
Oil
Oil production
Oil recovery

Crude oil production
USE: Oil production

Crude oil treating
USE: Oil treating

Cruise programmes
BT: Programmes
RT: Cruises
Research programmes
Research vessels

Cruise reports
SN: Preliminary report on results obtained during a cruise by one research vessel
BT: Data reports
RT: Cruises
Expedition reports
Track charts

Cruise stations
UF: Anchor stations
Expedition stations
BT: Oceanographic stations
RT: Cruises
Track charts

Cruises
SN: Use only for surveys involving one vessel
UF: Expeditions (one vessel)
BT: Expeditions
RT: Cruise programmes
Cruise reports
Cruise stations
Multiship expeditions
Surveys
Track charts

Crust (earth)
USE: Earth crust

Crust (ocean)
USE: Oceanic crust

Crustacean larvae
BT: Invertebrate larvae
NT: Megalops
Nauplii
Phyllosomae
Zoeae
RT: Crustacean culture
Freshwater crustaceans
Marine crustaceans

Crustaceans
USE: Shellfish

Crustaceans (freshwater)
USE: Freshwater crustaceans

Crustaceans (marine)
USE: Marine crustaceans

Crustal accretion
BT: Accretion
RT: Diverging plate boundaries
Oceanic crust
Plate divergence

Crustal adjustment
NT: Isostasy
RT: Epeirogeny
Plate tectonics

Crustal shortening
BT: Diastrophism
RT: Earth crust
Epeirogeny

Crustal structure
RT: Earth crust

Crustal thickness
BT: Thickness
RT: Earth crust

Crusts (rocks)
USE: Concretions

Cryobiology
SN: Low temperature biology
BT: Biology
RT: Cold resistance
Cryoplankton
Physiology
Temperature tolerance

Cryoplankton
SN: Ice- and snow-inhabiting organisms
BT: Plankton
RT: Cryobiology

Cryopreservation
USE: Freezing storage

Cryoprotectants
USE: Freezing storage
Cryosphere
BT: Hydrosphere
RT: Glaciers
Ice
Ice caps
Ice volume
Permafrost

Crystallization
CT scan
USE: Tomography

CTD measurements
USE: CTD observations

CTD observations
UF: Conductivity-temperature-depth observations
CTD measurements
BT: Hydrographic data
RT: CTD profilers
Finestructure
STD observations

CTD probes
USE: CTD profilers

CTD profilers
UF: Conductivity-temperature-depth profilers
CTD probes
BT: Profilers
RT: Conductivity sensors
CTD observations
Electrical conductivity
Finestructure
Salinity measuring equipment
Salinity profiles
STD profilers
Temperature profiles
Thermometers
Vertical profiles

CTD sensors
USE: CTD profilers

Cultch
USE: Cultch

Culling
SN: Removal or killing of a certain number of animals to maintain a steady population

Cultch
SN: Any substrata placed in the environment to attract the attachment of oyster larvae
UF: Cultch
Cultch material
USE: Cultch

Culture effects
SN: Effects of aquaculture practice on the ecosystem
BT: Environmental effects
RT: Aquaculture
Biological pollutants

Culture media
SN: Fluid, solid and nutritive media for culture of tissue and organisms
RT: Cell culture
Laboratory culture
Tissue culture

Culture tanks
BT: Tanks
RT: Algal culture
Aquaculture equipment
Batch culture
Continuous culture
Hatcheries
Laboratory culture
Rearing
Recirculating systems

Cultured fish
USE: Cultured organisms

Cultured food
USE: Cultured organisms

Cultured organisms
UF: Cultured fish
Cultured food
Cultured species
BT: Aquatic organisms
RT: Aquaculture
Aquaculture products
Domestic species
Microbiological culture
Phytoplankton culture
Zooplankton culture

Cultured species
USE: Cultured organisms

Cultures
SN: Use of a more specific term is recommended
NT: Algal culture
Coral farming
Fish culture
Frog culture
Plant culture
Reptile culture
Shellfish culture
Sponge culture
Worm culture
Zooplankton culture
RT: Aquaculture
Aquaculture systems
Aquaculture techniques
Experimental culture
Laboratory culture

Cumulus
USE: Clouds
Cup anemometers
USE: Anemometers

Cured products
UF: Dried salted products
Marinated products
Smoked products
BT: Processed fishery products
RT: Curing
Dried products

Curing
SN: To preserve by salting, drying, smoking, fermentation or a combination of these methods
UF: Salting
Smoking
BT: Processing fishery products
RT: Cured products
Dressing
Drying

Curium
BT: Actinides
Transuranic elements
RT: Curium isotopes

Curium isotopes
BT: Isotopes
RT: Curium

Curl (vectors)
BT: Vectors
NT: Wind stress curl
RT: Vorticity

Curl of wind stress
USE: Wind stress curl

Current charts
UF: Tidal current charts
BT: Hydrographic charts
RT: Current direction
Current roses
Current vectors
Current velocity
Streamlines
Tidal charts
Tide tables
Water currents

Current data
SN: Data collections obtained by any method of current measurement
UF: Water current data
BT: Hydrographic data
RT: Current direction
Current measurement
Current observations
Current velocity
Oceanographic data
Water currents
Current density
BT: Density
RT: Electric currents

Current direction
RT: Current charts
Current data
Current roses
Streamlines
Water currents

Current ellipses
BT: Hodographs
RT: Rotary currents

Current forces
BT: Loads (forces)
RT: Current velocity
Hydrodynamics
Vortex shedding
Water currents

Current marks
UF: Flute casts
Sole marks
BT: Bedding structures
NT: Scour marks

Current meandering
UF: Meandering (currents)
BT: Meandering
RT: Current rings
Fluid motion
Mesoscale eddies
Mesoscale features
Water currents

Current measuring
USE: Current measuring

Current measuring methods

Current meter arrays
BT: Arrays
RT: Current meters

Current meter data
BT: Hydrographic data
RT: Current meters

Current meter moorings
BT: Mooring systems
RT: Current meters

Current meters
SN: For measurement of water speed and direction only
BT: Current measuring equipment
NT: Acoustic current meters
RT: Current meter arrays
Current meter data
Current meter moorings
Current observations
Current sensors
Flowmeters
Water currents

Current observations
UF: Water current observations
RT: Current data
Current measurement
Current meters
Hydrographic data

Current power
SN: Power derived from water currents
UF: Ocean current energy conversion
RT: Power from the sea
Water currents

Current prediction
BT: Prediction
RT: Water currents

Current profiles
UF: Current speed profiles
BT: Velocity profiles

Current reversal
RT: Monsoon reversal
Water currents

Current rings
SN: Oceanic eddies of order 10 kms diameter
UF: Anticyclonic eddies
Anticyclonic rings
Current meanders
Cyclonic eddies
Cyclonic rings
Gulf stream rings
Meanders (current)
BT: Oceanic eddies

Current scouring
UF: Tidal scour
BT: Scouring
RT: Bed forms
Bottom currents
Bottom erosion
Scour and fill
Scour hollows
Scour marks
Water currents
Wave scouring

Current sensors
BT: Current measuring equipment Sensors
RT: Current meters
Flowmeters

Current shear
BT: Shear
RT: Wind shear

Current spectra
BT: Spectra

Current speed
USE: Current velocity

Current speed profiles
USE: Current profiles

Current vectors
BT: Vectors
RT: Current charts
Current velocity
Streamlines
Water currents

Current velocity
UF: Current speed
BT: Velocity
NT: Stream flow rate
RT: Current charts
Current data
Current forces
Current measurement
Current roses
Current vectors
Electric potential
Flowmeters
Tide tables
Velocity microstructure
Velocity sections
Volume transport
Westward intensification
Currents (electric)
USE: Electric currents

Currents (water)
USE: Water currents

Curricula
SN: Before 1982 search also
EDUCATION
UF: Syllabuses
Training programmes
RT: Education

Curves (graphs)
USE: Graphs

Cuspatate forelands
USE: Headlands

Customary fishing rights
USE: Fishing rights

Cuticles
SN: A layer covering and secreted by the epidermis of plants and many invertebrates
BT: Exoskeleton
RT: Chitin
Transpiration

Cutting
NT: Cutting underwater
RT: Welding

Cutting underwater
BT: Cutting
Working underwater
RT: Welding underwater

Cuttlefish fisheries
USE: Cephalopod fisheries

Cyanides
BT: Chemical compounds
RT: Carbon compounds
Nitrogen compounds
Salts

Cycles
SN: Use of a more specific term is recommended
UF: Rhythms
NT: Chemical cycles
Hydrologic cycle
Life cycle
Tidal cycles
Trophodynamic cycle
RT: Energy budget
Food webs
Moon phases

Cyclic loading
BT: Loads (forces)
RT: Dynamic loads
Fatigue (materials)
Ocean loading
Periodic variations

Wave-induced loading
Wave-seabed interaction

Cyclogenesis
RT: Cyclones

Cyclomorphosis
SN: Seasonal change in morphology displayed by some planktonic animals
BT: Biopolymorphism
RT: Defence mechanisms

Cyclones
SN: Use of a more specific term is recommended
UF: Depressions (meteorology)
Midlatitude cyclones
BT: Low pressure systems
RT: Anticyclones
Cyclogenesis
Hurricanes
Polar fronts
Winds

Cyclones (tropical)
USE: Hurricanes

Cyclonic eddies
USE: Current rings

Cyclonic motion
BT: Motion
RT: Anticyclonic motion
Rotation

Cyclonic rings
USE: Current rings

Cylinders
RT: Cylindrical structures
Tubing

Cylindrical bodies
USE: Cylindrical structures

Cylindrical structures
SN: Before 1986 search also CYLINDRICAL BODIES
UF: Cylindrical bodies
BT: Structures
RT: Cyclinders

Cysteine
BT: Amino acids

Cystine
BT: Amino acids

Cysts
SN: Resistant resting stages formed by different organisms, as a response to adverse environmental conditions
UF: Dormant stages
RT: Encystment

Cytogenesis
SN: Before 1995 search GENETICS
BT: Genetics

Cytokinins
USE: Phytohormones

Cytology
UF: Cell biology
BT: Biology
NT: Karyology
RT: Cell constituents
Cell differentiation
Cell division
Cell membranes
Cell morphology
Cell organelles
Cells
Cytochemistry
Cytoplasm
Cytoxicity
Fixatives
Histology
Microscopy

Cytoskeleton
USE: Cell constituents

Cytoplasm
UF: Bioplasm
Protoplasm
BT: Cell constituents
RT: Cell inclusions
Cytology
Golgi apparatus
Plastids
Protoplasts
Ribosomes
Yolk

Cytoplasmic membranes
USE: Cell membranes

Cytotoxicity
BT: Toxicity
RT: Cytochemistry
Cytology

Daily
BT: Periodicity
RT: Diurnal variations

Daily variation
USE: Diurnal variations
Damage
NT: Biological damage
RT: Accidents
Defects
Deterioration
Failures
Fire
Hazards
Maintenance and repair

Damage (biological)
USE: Biological damage

Damping
SN: To artificially reduce amplitude or physical processes
UF: Suppressing
NT: Evaporation reduction
Noise reduction
Wave damping
RT: Attenuation
Control
Suppressors
Vibration

Damping (water waves)
USE: Wave damping

Dams
SN: Fixed structures for the containment etc. of water in valleys
BT: Barrages
RT: Backwaters
Fishways
Flood control
Impoundments
Pond construction
Ponds
Water reservoirs
Weirs

Danger
USE: Hazards

Dangerous materials
USE: Hazardous materials

Dangerous organisms
SN: Harmful to persons
BT: Aquatic organisms
RT: Biological damage
Diving hazards

Danish seines
USE: Boat seines

Data
SN: Use of a more specific term is recommended
NT: Acoustic data
Biological data
Experimental data
Fishery data
Geological data
Geophysical data
Geotechnical data
Hydrographic data
Limnological data
Meteorological data
Oceanographic data
Pollution data
Temperature data
Wave data
RT: Data acquisition
Data collections
Data loggers
Data processing
Data reports
Data storage

Data acquisition
BT: Acquisition
RT: Data
Data loggers
Data processing
Data storage
Remote sensing

Data analysis
USE: Data processing

Data banks
USE: Data collections

Data buoys
UF: Meteorological buoys
Oceanographic buoys
Rafts (instrument carriers)
BT: Buoys
NT: Drifting data buoys
Wave buoys
RT: Lagrangian current measurement
Ocean stations
Oceanographic equipment
Recording equipment
Weather ships

Data catalogues
USE: Inventories

Data centres
USE: Information centres

Data collections
UF: Data banks
Databases
BT: Collections
RT: Census
Data
Data processing
Data storage
Documentation
Inventories
Libraries
Report literature
Surveys

Data converters
SN: Analog/digital converters
RT: Analog records
Digital records

Data handling
USE: Data processing

Data loggers
RT: Data
Data acquisition
Recording equipment

Data presentation (graphics)
USE: Graphics

Data processing
UF: Automated data processing
Batch processing
Data analysis
Data handling
NT: Data reduction
Seismic data processing
Signal processing
RT: Automation
Computer programs
Computers
Data
Data acquisition
Data collections
Data storage

Data reduction
BT: Data processing
RT: Reference levels
Seismic data processing
Spectral analysis

Data reports
BT: Report literature
NT: Cruise reports
Station lists
RT: Data
Ocean stations

Data retrieval
USE: Information retrieval

Data storage
BT: Storage
RT: Computers
Data
Data acquisition
Data collections
Data processing

Data transmission
NT: Facsimile transmission
RT: Telemetry

Databases
USE: Data collections

Dating (biological)
USE: Age determination

Dating (earth sciences)
USE: Geochronometry

Datum levels
BT: Reference levels
NT: Chart datum
Tidal datum
RT: Bench marks
Geodesy
Levelling
Sea level
Davits
BT: Lifting tackle
RT: Gear handling

Day length
USE: Photoperiods

Daytime
RT: Diurnal variations
  Nighttime

DDE
UF: Dichlorodiphenylethylene
BT: Chlorinated hydrocarbons

DDT
UF: Dichlorodiphenyl-trichloroethane
BT: Chlorinated hydrocarbons
RT: Chemical pollutants
  Pesticides
  Toxicants

Dead bodies
USE: Carcasses

Dead reckoning
BT: Navigation
RT: Inertial navigation
  Ship drift

Dead water
RT: Density stratification
  Interface phenomena
  Internal wave effects
  Surface wave-internal wave interactions
  Water

Deamination
BT: Chemical reactions
RT: Amination

Death rate
USE: Mortality

Debris (nuclear)
USE: Fission products

Debris flow
UF: Mudflows
  Rock falls
BT: Mass gravity transport (sediments)
  Melanges
  Olistostromes

Debubbling
RT: Bubbles
  Bubbleing

Decalcification
SN: The process of absorption of lime salts from bones
BT: Biochemical phenomena
RT: Bones
  Calcification
  Shells

Decantation
SN: Decantation of transported solid pollutants or suspended sediments
BT: Separation
RT: Sedimentation
  Sludge treatment
  Waste treatment
  Water pollution treatment
  Water treatment

Decarboxylation
BT: Chemical reactions
RT: Carboxylation

Decay
BT: Degradation

Decca
BT: Radio navigation
RT: Navigational tables

Dechlorination
RT: Chlorination
  Chlorine
  Disinfection
  Sewage treatment
  Water purification
  Water treatment

Decision support systems
SN: Computer-based system that assists one in the process of making a decision
BT: Information systems

Deck compression chambers
USE: Decompression chambers

Deck equipment
UF: Deck machinery
  Handling equipment
BT: Equipment
  Lifting tackle
RT: Decks
  Gear handling
  Hydraulic systems
  Oceanographic equipment
  Rigging
  Safety devices

Deck machinery
USE: Deck equipment

Deck safety equipment
USE: Safety devices

Decks
NT: Helidecks
RT: Deck equipment
  Mobile platforms

Decomposers
SN: Micro-organisms returning nutrients to water by biodegradation
BT: Heterotrophic organisms
RT: Bacteria
  Biodegradation
  Food chains
  Fungi

Decomposition
USE: Degradation

Decompression
RT: Decompression chambers
  Decompression sickness
  Decompression tables
  Hydrostatic pressure
  Saturation diving

Decompression chambers
UF: Compression chambers
  Deck compression chambers
  Hyperbaric chambers
  Pressure chambers
  Transfer chambers
BT: Diving equipment
RT: Decompression
  Decompression sickness
  Decompression tables
  Diving physiology
  Nitrogen narcosis
  Underwater medicine

Decompression sickness
SN: Before 1986 search also BENDS
UF: Bends
BT: Human diseases
RT: Decompression
  Decompression chambers
  Decompression tables
  Diving physiology
  Nitrogen narcosis
  Underwater medicine

Decompression tables
UF: Compression tables
BT: Tables
RT: Decompression
  Decompression chambers
  Decompression sickness
  Diving equipment

Deconvolution
UF: Seismic deconvolution
BT: Mathematical analysis
RT: Convolution
  Seismic data processing

Deep adjacent seas
USE: Marginal seas

Deep currents
SN: Midwater currents in deep ocean
BT: Subsurface currents
RT: Bottom currents
  Deep water
  Water depth

Deep layer
UF: Deep layers (water column)
BT: Water column
RT: Benthic boundary layer
  Bottom mixed layer
  Hypolimnion
<table>
<thead>
<tr>
<th>Term</th>
<th>Use/Definition</th>
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</thead>
<tbody>
<tr>
<td>Deep layers (lakes)</td>
<td>Use: <strong>Hypolimnion</strong></td>
</tr>
<tr>
<td>Deep layers (water column)</td>
<td>Use: <strong>Deep layer</strong></td>
</tr>
<tr>
<td>Deep ocean mining</td>
<td>Use: <strong>Deep-sea mining</strong></td>
</tr>
<tr>
<td>Deep scattering layers</td>
<td>Use: <strong>Scattering layers</strong></td>
</tr>
<tr>
<td>Deep sea</td>
<td>Use: <strong>Deep water</strong></td>
</tr>
<tr>
<td>Deep tow</td>
<td>Use: <strong>Towed vehicles</strong></td>
</tr>
<tr>
<td>Deep water</td>
<td>Use: <strong>Deep water</strong></td>
</tr>
<tr>
<td>Deep water formation</td>
<td>RT: Deep water</td>
</tr>
<tr>
<td>Deep-sea bed</td>
<td>Use: <strong>Ocean floor</strong></td>
</tr>
<tr>
<td>Deep-sea channels</td>
<td>BT: Seachannels</td>
</tr>
<tr>
<td></td>
<td>Submarine features</td>
</tr>
<tr>
<td>Deep-sea diving</td>
<td>Use: <strong>Deep-sea diving</strong></td>
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<tr>
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<td>UF: Dry diving</td>
</tr>
<tr>
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<td>BT: Diving</td>
</tr>
<tr>
<td></td>
<td>RT: Breathing mixtures</td>
</tr>
<tr>
<td></td>
<td>One-atmosphere systems</td>
</tr>
<tr>
<td></td>
<td>Submersibles</td>
</tr>
<tr>
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<td>Underwater exploration</td>
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<tr>
<td>Deep-sea drilling</td>
<td>SN: Drilling operations beyond the continental shelf</td>
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<td></td>
<td>BT: Drilling</td>
</tr>
<tr>
<td></td>
<td>RT: Offshore operations</td>
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<td></td>
<td>Deep-sea mining</td>
</tr>
<tr>
<td></td>
<td>RT: Deep-sea mining</td>
</tr>
<tr>
<td>Deep-sea fisheries</td>
<td>Use: <strong>Deep-sea fisheries</strong></td>
</tr>
<tr>
<td></td>
<td>BT: Marine fisheries</td>
</tr>
<tr>
<td>Deep-sea furrows</td>
<td>Use: <strong>Deep-sea furrows</strong></td>
</tr>
<tr>
<td></td>
<td>BT: Submarine features</td>
</tr>
<tr>
<td></td>
<td>RT: Bottom erosion</td>
</tr>
<tr>
<td></td>
<td>Oceanic trenches</td>
</tr>
<tr>
<td>Deep-sea lobster fisheries</td>
<td>Use: <strong>Lobster fisheries</strong></td>
</tr>
<tr>
<td>Deep-sea mining</td>
<td>Use: <strong>Deep-sea mining</strong></td>
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<tr>
<td></td>
<td>UF: Deep ocean mining</td>
</tr>
<tr>
<td></td>
<td>BT: Mining</td>
</tr>
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<td></td>
<td>Offshore operations</td>
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<td></td>
<td>RT: Deep-sea drilling</td>
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<tr>
<td></td>
<td>Mining vessels</td>
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<td>Seabed deposits</td>
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<td>Subsurface deposits</td>
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<tr>
<td>Deep-sea terraces</td>
<td>Use: <strong>Terraces</strong></td>
</tr>
<tr>
<td>Deep-sea thermometers</td>
<td>Use: <strong>Thermometers</strong></td>
</tr>
<tr>
<td>Deep-sea tide gauges</td>
<td>BT: Tide gauges</td>
</tr>
<tr>
<td>Deep-water masses</td>
<td>Use: <strong>Deep-water masses</strong></td>
</tr>
<tr>
<td></td>
<td>UF: Bottom water masses</td>
</tr>
<tr>
<td></td>
<td>BT: Water</td>
</tr>
<tr>
<td></td>
<td>RT: Bottom water</td>
</tr>
<tr>
<td>Deep-water terminals</td>
<td>Use: <strong>Deep-water terminals</strong></td>
</tr>
<tr>
<td></td>
<td>BT: Tanker terminals</td>
</tr>
<tr>
<td></td>
<td>RT: Offshore docking</td>
</tr>
<tr>
<td>Deep-water waves</td>
<td>Use: <strong>Deep-water waves</strong></td>
</tr>
<tr>
<td>Deep-water waves</td>
<td>BT: Water waves</td>
</tr>
<tr>
<td>Defaecation</td>
<td>Use: <strong>Defaecation</strong></td>
</tr>
<tr>
<td></td>
<td>UF: Defaecation</td>
</tr>
<tr>
<td></td>
<td>BT: Excretion</td>
</tr>
<tr>
<td></td>
<td>RT: Faecal pellets</td>
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<tr>
<td>Defaecation</td>
<td>Use: <strong>Defaecation</strong></td>
</tr>
<tr>
<td>Defects</td>
<td>SN: Use for faults of construction or results of damage or deterioration</td>
</tr>
<tr>
<td></td>
<td>UF: Faults (defects)</td>
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<tr>
<td></td>
<td>Flaws</td>
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<td></td>
<td>NT: Cracks</td>
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<td>Fractures</td>
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<td>Leaks</td>
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<td>Spalling</td>
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<tr>
<td></td>
<td>RT: Damage</td>
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<td>Deterioration</td>
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<td>Failures</td>
</tr>
<tr>
<td>Defence</td>
<td>Use: <strong>Security</strong></td>
</tr>
<tr>
<td>Defence craft</td>
<td>SN: Vessels designed for military or security purposes</td>
</tr>
<tr>
<td></td>
<td>UF: Defense craft</td>
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<tr>
<td></td>
<td>Naval craft</td>
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<td></td>
<td>Warships</td>
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<tr>
<td>Defence mechanisms</td>
<td>SN: Before 1986 search also</td>
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<tr>
<td></td>
<td>DEFENSE MECHANISMS</td>
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<tr>
<td></td>
<td>UF: Defense mechanisms</td>
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<td></td>
<td>Defensive mechanisms</td>
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<td>Defensive secretions</td>
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<tr>
<td></td>
<td>NT: Phagocytosis</td>
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<td>RT: Antibodies</td>
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<td></td>
<td>Bioelectricity</td>
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<td>Camouflage</td>
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<td>Cyclomorphosis</td>
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<td>Encystment</td>
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<td>Immunity</td>
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<td>Mimicry</td>
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<td>Protective behaviour</td>
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<td>Resistance mechanisms</td>
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<td>Defence mechanisms</td>
<td>Use: <strong>Defence craft</strong></td>
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<td>Use: <strong>Defence mechanisms</strong></td>
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<td>Use: <strong>Defence mechanisms</strong></td>
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<td>Deficiency diseases</td>
<td>Use: <strong>Deficiency diseases</strong></td>
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<td></td>
<td>Definitions</td>
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<tr>
<td></td>
<td>USE: <strong>Terminology</strong></td>
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<tr>
<td>Deflection</td>
<td>NT: Catenary</td>
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<td></td>
<td>Plumbline deflection</td>
</tr>
<tr>
<td>Deflocculation</td>
<td>UF: Peptization</td>
</tr>
<tr>
<td></td>
<td>RT: Dispersion</td>
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<td>Flocculation</td>
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Deforestation
SN: Removal of trees from land without the intention of reforesting it
RT: Forest industry, Forests

Deformation
UF: Bending, Buckling, Distortion
BT: Mechanical properties
NT: Rock deformation, Strain
RT: Forest industry, Forests

Defrosting
USE: Thawing

Degassification
USE: Degassing

Degassing
UF: Degassification
RT: Desorption, Earth atmosphere
NT: Earth mantle

Degeneration
UF: Evolutionary retrogression
BT: Biological phenomena
RT: Biodegradation, Evolution
NT: Mutations, Regeneration

Deglaciation
RT: Climatic changes, Emergent shorelines
NT: Glaciation, Interglacial periods

Degradation
UF: Decomposition
BT: Chemical reactions
NT: Biodegradation, Chemical degradation
RT: Decay, Environmental degradation, Pyrolysis

Deltaic sedimentation
BT: Sedimentation
RT: Deltas, Foreset beds

Deltas
BT: Coastal landforms
RT: Alluvial deposits, Brackishwater environment
NT: Coastal erosion, Coasts

Demersal fish
SN: Bottom feeding fish
UF: Benthic fish
NT: Ground fish
RT: Fish

Demersal fisheries
BT: Fisheries
RT: Bottom trawling, Crustacean fisheries

Demineralization
UF: Salts extraction
BT: Separation processes
RT: Distillation, Ion exchange

Demography
SN: Study of birth rates, death rates, age distributions, and size of human populations.
NT: Population structure, Population dynamics
RT: Sociological aspects

Denaturation (proteins)
USE: Protein denaturation

Dendrites
USE: Neurons
### Denitrification
- **SN:** Before 1982 search
- **NITROGEN CYCLE**
- **BT:** Chemical reactions
- **RT:** Nitrification
- **Nitrogen cycle**

### Dense water
- **BT:** Sea water

### Densimeters
- **USE:** Densimeters

### Densitometers
- **UF:** Densimeters
- **BT:** Density measuring equipment

### Density
- **SN:** Before 1982 search also
  - **DENSITY (PHYSICAL)**
- **UF:** Density (physical)
- **BT:** Physical properties
- **NT:** Current density
- **Sediment density**
- **Water density**
- **RT:** Buoyancy
- **Density measurement**
- **Density measuring equipment**
- **Diffusion**
- **Gravimetric techniques**
- **Specific gravity**
- **Wet weight**
- **Density (physical)**
- **USE:** Density

### Density (population)
- **USE:** Population density

### Density (stocking)
- **USE:** Stocking density

### Density (water)
- **USE:** Water density

### Density (wave action)
- **USE:** Wave action

### Density charts
- **SN:** Charts showing distribution of water density
- **BT:** Hydrographic charts
- **RT:** Density sections
- **Isopycnics**
- **Water density**

### Density currents
- **USE:** Density flow

### Density dependence
- **UF:** Density dependent effects
- **RT:** Biological production
  - **Biotic factors**
  - **Population density**
  - **Population functions**
  - **Stocking (organisms)**
  - **Stocking density**
- **Density dependent effects**
- **USE:** Density dependence

### Density field
- **BT:** Fields
- **RT:** Geostrophic flow
  - **Geostrophic method**
  - **Water density**

### Density flow
- **SN:** Before 1982 search
  - **TURBIDITY CURRENTS**
- **UF:** Density currents
  - **Gravity induced flow**
- **BT:** Fluid flow
- **RT:** Bottom currents
  - **Stratified flow**
  - **Turbidity currents**
  - **Water currents**

### Density fronts
- **BT:** Oceanic fronts
- **RT:** Isopycnics
- **Pycnocline**
- **Water density**

### Density gradients
- **SN:** Used only for density gradients in water
- **BT:** Gradients
- **RT:** Density profiles
  - **Density stratification**
  - **Pycnocline**
  - **Water density**

### Density interfaces
- **BT:** Interfaces
- **RT:** Density stratification
- **Water density**

### Density layer
- **USE:** Pycnocline

### Density measurement
- **UF:** Hydrometry
  - **Specific gravity measurement**
- **BT:** Measurement
  - **Density measuring equipment**
  - **Hydrometers**
  - **Water density**

### Density measuring equipment
- **BT:** Measuring devices
- **NT:** Densitometers
- **RT:** Density
  - **Density measurement**
  - **Hydrometers**

### Density profiles
- **BT:** Vertical profiles
- **RT:** Density gradients
  - **Density sections**
  - **Density stratification**

### Density sections
- **BT:** Hydrographic sections
- **RT:** Density charts
  - **Density profiles**
  - **Water density**

### Density stratification
- **UF:** Stratification (density)
- **BT:** Stratification
- **RT:** Buoyant (density)
  - **Dead water**
  - **Density gradients**
  - **Density interfaces**
  - **Density profiles**
  - **Geostrophic flow**
  - **Monin-Obukhov length**
  - **Pycnocline**
  - **Salinity stratification**
  - **Sound channels**
  - **Water density**

### Denudation
- **SN:** Combined effect of erosional processes and transportation of eroded material
- **RT:** Erosion

### Deoxygenation
- **RT:** Oxygen
  - **Oxygen demand**
  - **Oxygen depletion**
  - **Oxygenation**
  - **Water quality**

### Deoxyribonucleic acid
- **USE:** DNA

### Dependent species
- **USE:** Associated species

### Depleted stocks
- **SN:** A stock (or population) suffering from recruitment overfishing
- **UF:** Stock depletion
- **BT:** Stocks
- **RT:** Depletion
  - **Overfishing**

### Depletion
- **NT:** Oxygen depletion
  - **Resource depletion**
- **RT:** Abundance
  - **Conservation**
  - **Depleted stocks**
  - **Reclamation**
Deployment
SN: Deployment of materials and equipment including underwater vehicles
RT: Gear handling
Launching
Recovery
Station keeping

Depth measurement
SN: Measurement of depth in water only. Use of a more specific term is recommended
BT: Measurement
NT: Bathymetry
Echosounding
Instrument depth measurement
RT: depth
Depth recorders
Sounding lines
Stereophotography

Deplymerization
BT: Chemical reactions
RT: Polymerization

Deposition (geology)
USE: Sedimentation

Deposition features
RT: Alluvial fans
Barrier islands
Beach accretion
Beach ridges
Berms
Break-point bars
Erosion features
Fluvial features
Glacial features
Nearshore bars
Sediment drifts
Spits

Depositional environments
USE: Sedimentary environments

Depressions (meteorology)
USE: Cyclones

Depressors
NT: Cable depressors
RT: Depth control

Depth
BT: Dimensions
NT: Mixed layer depth
Still depth
Standard depths
Water depth
RT: Contours
Depth control
Depth measurement
Height
Hypsometric curves
Thickness

Depth contours
USE: Isobaths

Depth control
BT: Control
RT: Depressors
depth

Depth finders
USE: Depth recorders

Depth finding
USE: Echosounding

Desalination
SN: Sea water conversion and water desalting
UF: Desalination processes
Extraction (salts)
Sea water conversion
Seawater conversion
Water desalting
BT: Water treatment
RT: Desalination plants
Dissolved salts
Distillation
Electrodialysis
Evaporation
Reverse osmosis
Saline water
Salinity
Salts
Sea water
Separation
Water purification

Desalination processes
USE: Desalination

Descriptive physical oceanography
USE: Hydrography

Deserts
BT: Arid environments
RT: Sabkhas

Desiccation
BT: Separation
RT: Dehydration
Drying
Evaporation

Design
SN: Limit to design methods
UF: Design engineering
NT: Ship design
Towed body design
RT: Engineering
Engineering drawings
Specifications
Structural analysis
Tolerances (dimensional)

Design engineering
USE: Design

Design wave
RT: Coastal structures
Offshore structures
Surface water waves
Wave climate
Wave forces
Wave forecasting
Wave height
Wave statistics

Desorption
BT: Sorption
RT: Degassing
Surface properties

Destratification
RT: Stratification
Water mixing

Destructive waves
BT: Water waves
RT: Nearshore bars

Detection
NT: Disease detection
Fish detection
Iceberg detection
Pollution detection
Sonar detection
Wreck location
RT: Detectors
Echo ranging
Identification
Inspection
Locating
Surveillance and enforcement
Tracking
Detectors
BT: Equipment
NT: Acoustic tracking systems
RT: Alarm systems
Detection

Detergents
NT: Soaps
RT: Chemical pollutants
Domestic wastes
Surfactants

Deterioration
SN: Gradual decline in quality (of materials). For results of fire and accidents use DAMAGE
RT: Corrosion
Crack propagation
Damage
Defects
Degradation
Embrittlement
Failures
Fatigue (materials)
Maintenance and repair
Restoration
Scouring
Spalling
Wear

Detonators
BT: Equipment
RT: Blasting
Explosives

Detoxification
SN: Removal of poison or poison effects
RT: Biological poisons
Hydrolysis
Oxidation
Toxicants
Toxicity
Toxicology

Detrital deposits
UF: Detrital sediments
RT: Clastics
Detritus
Sediments
Suspected particulate matter

Detritivores
USE: Detritus feeders

Detritus
UF: Biodeposition
Organic detritus
NT: Leaf litter
RT: Biogenic material
Biogeochemical cycle
Detrital deposits
Detritus feeders
Filter feeders
Litter

Detritus feeders
UF: Detritivores
BT: Heterotrophic organisms
RT: Detritus
Omnivores

Deuterium
SN: Before 1982 search
HYDROGEN ISOTOPES
BT: Hydrogen isotopes
RT: Deuterium compounds

Deuterium compounds
BT: Hydrogen compounds
RT: Deuterium
Heavy water

Developed countries
BT: Countries
RT: Developing countries

Development countries
UF: Developing nations
Developing world
Underdeveloped countries
BT: Countries
RT: Developed countries

Developmental stages
NT: Adults
Embryos
Juveniles
Larvae
RT: Biological development
Diapause
Emergence
Growth
Kelt
Life cycle
Metamorphosis
Ontogeny
Resting stages

Devonian
SN: Before 1982 search
DEVONIAN PERIOD
BT: Palaeozoic

Dew point
UF: Dew point temperature
BT: Transition temperatures
RT: Condensation
Fog
Humidity
Mixing ratio
Water vapour

Dewatering
RT: Dehydration
Drying
Pore water
Water content

Diadromy

Diagenesis
BT: Sedimentation
NT: Authigenesis
Calcitization
Cementation
Compaction
Consolidation
Dolomitization
Lithification
RT: Bioturbation
Calcification
Catagenesis
Chertification
Gas turbation
Metasomatism
Sedimentology
Silification

Dialysis
BT: Separation processes
NT: Electrodialysis
RT: Colloids
Osmosis
ASFA THESAURUS

**Diamonds**
- BT: Placers
- RT: Carbon
  - Graphite
  - Kimberlites

**Diapause**
- SN: The state of suspended development
- RT: Developmental stages
  - Growth
  - Photoperiodicity

**Diapirism**
- BT: Rock deformation
- RT: Diapirs
  - Igneous intrusions
  - Salt domes

**Diapirs**
- RT: Cap rocks
  - Diapirism
  - Salt domes
  - Structural domes

**Diarrhetic shellfish poisoning**
- UF: Shellfish poisoning (diarrhetic)
- RT: Human diseases
- RT: Paralytic shellfish poisoning

**Diastrophism**
- NT: Crustal shortening

**Diatom culture**
- USE: Phytoplankton culture

**Diatom oozes**
- BT: Siliceous ooze
- RT: Diatomites
  - Diatoms
  - Fossil diatoms

**Diatomites**
- BT: Siliceous rocks
- RT: Diatom ooze
  - Diatoms

**Diatoms**
- SN: Microscopic one-celled algae.
  - Used as descriptor for ASFA-2 only;
    - for ASFA-1, use taxonomic descriptor BACILLARIOPHYCEAE
- BT: Algae
- RT: Diatom ooze
  - Diatomites
- USE: Phytoplankton culture

**Dieldrin**
- BT: Chlorinated hydrocarbons
- RT: Insecticides

**Dielectric constant**
- BT: Electrical properties
  - RT: Capacitance
    - Ice properties

**Diesel engines**
- BT: Motors
- RT: Propulsion systems
  - Shipboard equipment

**Diesel fuels**
- USE: Fuels

**Dietary deficiencies**
- NT: Nutrient deficiency
  - Protein deficiency
  - Vitamin deficiencies
  - RT: Deficiency diseases
    - Diets
    - Feed composition
    - Feeding experiments
    - Nutrition disorders
    - Nutritional requirements
    - Nutritive value

**Dietary fibre**
- UF: Digestible fibre

**Diets**
- NT: Balanced diets
  - Basic diets
- RT: Animal nutrition
  - Artificial feeding
  - Dietary deficiencies
  - Feed efficiency
  - Nutrition disorders
  - Nutritional requirements
  - Nutritive value

**Differential distribution**
- SN: Restricted to areal distribution of the life history stages of aquatic organisms
  - BT: Geographical distribution
  - RT: Life cycle

**Differential equations**
- SN: Including integral equations
- BT: Equations
  - RT: Eigenfunctions
    - Finite element method
    - Harmonic analysis
    - Integral equations
    - Nonlinear equations
    - Numerical analysis

**Differentiation (cells)**
- USE: Cell differentiation

**Diffraction**
- SN: Use of a more specific term is recommended
  - NT: Light diffraction

**Diffusion**
- BT: Transport processes
  - NT: Atmospheric diffusion
  - Molecular diffusion
  - Thermal diffusion
  - Turbulent diffusion
  - RT: Adsorption
    - Conservation equations
    - Density
    - Diffusion coefficients
    - Equilibrium
    - Evaporation
    - Ion exchange
    - Ion transport
    - Leaching
    - Mass transfer
    - Mixing processes
    - Momentum
    - Osmosis
    - Permeability
    - Separation
    - Turbulence
    - Water circulation
    - Water mixing

**Diffusion (dye patch)**
- USE: Dye dispersion

**Diffusion coefficients**
- UF: Diffusivity
- BT: Exchange coefficients
- RT: Diffusion
  - Eddy diffusivity

**Diffusive convection**
- USE: Double diffusion

**Diffusivity**
- USE: Diffusion coefficients

**Digestibility**
- BT: Organoleptic properties
- RT: Digestion

**Digestible fibre**
- USE: Dietary fibre

**Digestion**
- RT: Animal nutrition
  - Digestibility
  - Digestive system
  - Enzymatic activity
  - Excretory products
  - Food absorption
  - Food consumption
  - Food conversion
  - Hydrolysis
  - Ingestion
  - Metabolism
  - Physiology
Digestive glands
BT: Digestive system
Exocrine glands
NT: Hepatopancreas
Liver
Pancreas
RT: Alimentary organs
Pyloric caeca

Digestive system
SN: Before 1995 search also DIGESTIVE TRACT
UF: Digestive tract
Gastrointestinal system
BT: Anatomical structures
NT: Alimentary organs
Digestive glands
RT: Abdomen
Digestion
Oesophagus

Digestive tract
USE: Digestive system

Digital data records
USE: Digital records

Digital records
UF: Digital data records
BT: Records
RT: Analog records
Data converters
Dikes (embankments)
USE: Embankments

Dilution
RT: Water mixing

Dimensionless numbers
NT: Mixing ratio
RT: Froude number
Prandtl number
Reynolds number
Rossby number

Dimensions
NT: Amplitude
Area
Capacity
depth
Height
Length
Size
Thickness
Volume
Width
RT: Morphometry
Shape
Spatial variations

Dimorphism (sexual)
USE: Sexual dimorphism

Dioxins
UF: Polychlorinated dibenzodioxins
BT: Chlorinated hydrocarbons

Diploids

Direction
NT: Wave direction
Wind direction
RT: Azimuth
Direction finding
Direction indicators
Directional spectra
Echo ranging
Horizon

Direction finding
RT: Direction
Navigation

Direction indicators
BT: Instruments
NT: Compasses
RT: Direction
Vanes

Directional spectra
UF: Directional wave spectra
BT: Spectra
RT: Direction
Energy spectra
Internal waves
Long-crested waves
Short-crested waves
Surface water waves
Wave direction

Directional wave spectra
USE: Directional spectra

Directories
BT: Documents

Disasters
UF: Catastrophes
Disasters (natural)
Natural disasters
RT: Accidents
Droughts
Earthquakes
El Nino phenomena
Emergencies
Floods
Hazards
Hurricanes
Storm surges
Tsunamis
Volcanic eruptions
Disasters (man-made)
USE: Accidents

Disasters (natural)
USE: Disasters

Discard catch
USE: Discards

Discarded catch
USE: Discards

Discards
SN: Fish released/returned to the sea, dead or alive, whether or not brought fully on board a fishing vessel.
UF: Discard catch
Discarded catch
RT: By catch

Discoloration
USE: Discolouration

Discolored water
USE: Discoloured water

Discolouration
UF: Discoloration
RT: Chromatic pigments
Colour
Degradation
Pigments
Staining

Discoloured water
SN: Before 1982 search also RED TIDES
UF: Discolored water
BT: Water
RT: Red tides
Water colour

Discontinuity layers
BT: Layers
NT: Halocline
Lyocline
Nepheoloid layer
Pycnocline
Scattering layers
Thermocline
RT: Environmental factors
Interfaces
Thermal stratification

Discus-shaped buoys
BT: Buoy hulls

Disease control
BT: Control
RT: Aetiology
Disease detection
Disease resistance
Diseases
Epidemiology
Pathogens
Pest control
Prophylaxis
Therapy
### Disease detection
- **BT:** Detection
- **RT:** Aetiology
- **Disease control**
- **Diseases**
- **Symptoms**
- **Therapy**

#### Disease preventive treatment
**USE:** Prophylaxis

#### Disease resistance
- **UF:** Disease susceptibility
- **Pathogen resistance**
- **Resistance to disease**
- **BT:** Biological resistance
- **RT:** Disease control
- **Diseases**
- **Drug resistance**
- **Environmental effects**
- **Immunology**
- **Vaccination**

#### Disease susceptibility
**USE:** Disease resistance

#### Disease transmission
- **UF:** Transmission of diseases
- **RT:** Diseases

#### Disease treatment
**USE:** Therapy

#### Diseases
- **UF:** Disorders (biological)
- **Morbidity**
- **NT:** Animal diseases
- **Deficiency diseases**
- **Environmental diseases**
- **Haematological diseases**
- **Human diseases**
- **Husbandry diseases**
- **Infectious diseases**
- **Metabolic disorders**
- **Nutrition disorders**
- **Plant diseases**
- **Tumours**
- **RT:** Aetiology
- **Carcinogens**
- **Disease control**
- **Disease detection**
- **Disease resistance**
- **Disease transmission**
- **Haemorrhage**
- **Histopathology**
- **Hosts**
- **Hygiene**
- **Immunology**
- **Medicine**
- **Microbial contamination**
- **Mortality causes**
- **Natural mortality**
- **Necroses**
- **Pathogens**
- **Pathology**
- **Prophylaxis**
- **Sublethal effects**

#### Disinfectants
- **UF:** Antiseptics
- **RT:** Chemical compounds
- **Chlorine**
- **Disinfection**
- **Pathogens**
- **Water purification**

#### Disinfection
- **RT:** Chlorination
- **Dechlorination**
- **Disinfectants**
- **Microbial contamination**
- **Pathogens**

#### Disorders (biological)
**USE:** Diseases

#### Disorders (human)
**USE:** Human diseases

#### Dispersal phenomena
**USE:** Dispersion

#### Dispersants
- **SN:** Chemicals used to contribute to the break-up of an oil spill at sea
- **UF:** Dispersing agents
- **BT:** Agents
- **RT:** Anticoagulants
- **Dispersion**
- **Oil removal**
- **Oil spills**
- **Solvents**
- **Surfactants**

#### Dispersion
**USE:** Dispersants

#### Dispersion (water waves)
**USE:** Wave dispersion

#### Dispersions (chemical)
**USE:** Colloids

#### Displacement
- **SN:** Weight of water displaced by vehicle; weight in water
- **RT:** Flotation
- **Motion**
- **Weight**

#### Display behaviour
- **BT:** Behaviour
- **RT:** Agonistic behaviour
- **Courtship**

#### Disposal (waste)
**USE:** Waste disposal

#### Dispersal phenomena
**USE:** Dispersion

#### Dispersing agents
**USE:** Dispersants

#### Dispersions (chemical)
**USE:** Colloids

#### Dispersions
**USE:** Dispersants

#### Dispersants
- **SN:** Chemicals used to contribute to the break-up of an oil spill at sea
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- **Oil spills**
- **Solvents**
- **Surfactants**

#### Dispersion
**USE:** Dispersants

#### Dispersion (water waves)
**USE:** Wave dispersion

#### Dissipation (water waves)
**USE:** Wave dissipation

#### Dissociation
- **BT:** Chemical reactions
- **RT:** Pyrolysis

#### Dissolution
- **UF:** Solution
- **BT:** Separation processes
- **NT:** Calcite dissolution
- **RT:** Exchange capacity
- **Leaching**
- **Solubility**
- **Solutions**
- **Solvent extraction**
- **Solvants**
- **Supersaturation**

#### Dissolved chemicals
- **UF:** Dissolved mineral resources
- **RT:** Chemical compounds
  - Chemical elements
  - Hot brines
  - Solubility
  - Solutions

#### Dissolved gases
- **BT:** Gases
- **NT:** Dissolved oxygen
- **RT:** Bubble disease
  - Solubility
  - Solutions
  - Water analysis

#### Dissolved inorganic carbon
- **BT:** Dissolved inorganic matter
  - Inorganic carbon

#### Dissolved inorganic matter
- **BT:** Inorganic matter
- **NT:** Dissolved inorganic carbon
- **RT:** Solutions
Dissolved mineral resources
USE: Dissolved chemicals

Dissolved organic carbon
BT: Dissolved organic matter
Organic carbon
RT: Total organic carbon

Dissolved organic matter
SN: Before 1982 search
ORGANIC SUSPENDED MATTER
BT: Organic matter
NT: Dissolved organic carbon
Dissolved organic nitrogen
Dissolved organic phosphorus
RT: Solutions

Dissolved organic nitrogen
BT: Dissolved organic matter
Organic nitrogen

Dissolved organic phosphorus
BT: Dissolved organic matter
Organic phosphorus

Dissolved oxygen
UF: DO
Oxygen content
BT: Dissolved gases
Oxygen
RT: Abiotic factors
Aeration
Aerobic respiration
Anoxic basins
Anoxic conditions
Eutrophication
Hydrographic sections
Non-conservative properties
Oxygen minimum layer
Oxygen profiles
Water properties
Winkler method

Dissolved salts
BT: Salts
RT: Brines
Chlorine compounds
Desalination
Fluorine compounds
Salinity
Salt budget
Salt fingers
Salt flux
Salt lakes
Sodium compounds
Water properties

Distance
Distant water fisheries
USE: High seas fisheries

Distillation
BT: Separation processes
Desalination
Distilled water

Distilled water
BT: Water
RT: Distillation
Distortion
USE: Deformation

Distress signals
UF: Beacons (distress)
BT: Alarm systems

Divers
RT: Diving
Diving equipment
Diving industry
Diving physiology

Diving plate boundaries
UF: Accreting plate boundaries
BT: Plate boundaries
RT: Converging plate boundaries
Crustal accretion
Mantle plumes
Mid-ocean ridges
Plate divergence
Rift zones
Spreading centres

Divers safety
USE: Diving regulations

Divers work
USE: Working underwater

Divers physiology
USE: Diving physiology

Diversions
USE: Passive margins

Divergent margins

Divergent plate boundaries

Diversity index
USE: Species diversity

Diving
NT: Deep-sea diving
Saturation diving
Scuba diving
RT: Divers
Diving accidents
Diving bells
Diving equipment
Diving hazards
Diving physiology
Diving regulations
Fishing by diving
Search and rescue
Spear fishing
Surveying underwater
Underwater exploration
Underwater medicine
Visibility underwater
Working underwater

Diversity

Distribution
SN: Use of a narrower term is recommended
NT: Ecological distribution
Gaussian distribution
Geographical distribution
Geological distribution
Quantitative distribution
Sediment distribution
Temporal distribution
RT: Distribution records
New records

Dissolution

Distributions
Distribution
RT: Distribution records
New records

Dissolution

Dissolution

Dissolved oxygen

Dissolved organic carbon

Dissolved organic matter

Dissolved organic nitrogen

Dissolved organic phosphorus

Dissolved salts

Distillation

Distress signals

Divers

Diving plate boundaries

Divergent margins

Divergent plate boundaries

Diversity index

Diving
Diving accidents
BT: Accidents
RT: Diving
Diving hazards
Diving regulations
Drowning
Marine accidents
Mortality causes

Diving bells
BT: Manned vehicles
RT: Decompression chambers
Diving
One-atmosphere systems
Saturation diving
Submersibles
Support ships
Tethered vehicles
Underwater habitats
Working underwater
Diving chambers
USE: Manned vehicles

Diving equipment
UF: Diving gear
Diving systems
BT: Equipment
NT: Decompression chambers
Diving suits
Diving tools
RT: Breathing apparatus
Communication systems
Compressors
Decompression tables
Divers
Diving
Diving industry
Life support systems
Protective clothing
Submersibles
Support ships
Surveying equipment
Diving gear
USE: Diving equipment

Diving hazards
BT: Hazards
NT: Shark attacks
RT: Dangerous organisms
Diving
Diving accidents
Drowning
Hyperthermia

Diving industry
BT: Industries
RT: Divers
Diving equipment
Working underwater
Diving medicine
USE: Underwater medicine

Diving physiology
SN: All physiological and medical aspects of diving in man, mammals, and other animals, including experimental laboratory studies
UF: Divers physiology
BT: Physiology
RT: Animal physiology
Bone necrosis
Decompression sickness
Divers
Diving
Human physiology
Hyperthermia
Hypothermia
Pressure effects
Underwater medicine
Working underwater

Diving regulations
UF: Divers safety
BT: Safety regulations
RT: Diving
Diving accidents

Diving suits
SN: Use for one-man equipment with articulated limbs
BT: Diving equipment
RT: Manipulators
One-atmosphere systems
Saturation diving
Submersibles
Umbralics

Diving surveys
BT: Surveys
RT: Surveying underwater
Underwater exploration

Diving systems
USE: Diving equipment

Diving tools
SN: Pertains to tools operated by divers
UF: Tools (underwater)
BT: Diving equipment
Underwater tools
RT: Underwater equipment
Working underwater
Diving vehicles
USE: Manned vehicles

DNA
SN: Before 1982 search
DEOXYRIBONUCLEIC ACID
UF: Deoxyribonucleic acid
BT: Nucleic acids
NT: cDNA
mtDNA
RT: Chemotaxonomy
Genes
Polymerization

DO
USE: Dissolved oxygen

Docking
USE: Berthing

Docks
USE: Port installations

Documentation
RT: Bibliographic information
Data collections
Documents

Documentation services
USE: Information services

Documents
SN: Before 1982 search also PUBLICATIONS
UF: Correspondence (letters)
Fisheries literature
Manuscripts (historical)
Publications
BT: Atlases
Bibliographies
Biographies
Catalogues
Collected papers
Directories
Encyclopaedias
Expedition reports
Gazetteers
Glossaries
Logbooks
Manuals
Tables
Thesaurus

RT: Abstracts
Audiovisual materials
Documentation
Literature reviews
Microforms
Obituaries
Patents
Publicity material
Report literature
Synopsis
Transcription
Translations

Doldrums
USE: Equatorial trough

Dolomite
SN: Use only for mineral dolomite
BT: Carbonate minerals
RT: Dolostone
Evaporites
Dolomite (rock)
USE: Dolostone

Dolomitization
BT: Diagenesis
RT: Calcitization
Calcium carbonates
Dolostone
Limestone
Dolostone
UF: Dolomite (rock)
BT: Carbonate rocks
RT: Dolomite
   Dolomitization

Domes
BT: Anticlines
RT: Salt domes

Domestic species
SN: Species kept by man from the wild
UF: Domesticated species
BT: Species
RT: Cultured organisms
   Domestication
   Introduced species
   Selective breeding

Domestic wastes
BT: Wastes
RT: Detergents
   Organic wastes
   Sewage
   Soaps

Domesticated species
USE: Domestic species

Domestication
RT: Captivity
   Domestic species

Dominance hierarchies
SN: Before 1982 search SOCIAL BEHAVIOUR
UF: Hierarchies (social)
   Social hierarchy
NT: Pecking order
RT: Competition
   Social behaviour
   Territoriality

Dominant species
BT: Species
RT: Climax community
   Community composition
   Ecological associations
   Ecological succession
   Multispecies fisheries
   Species diversity

Doppler effect
UF: Doppler shift
RT: Doppler navigation
   Doppler sonar

Doppler navigation
UF: Doppler sonar navigation
BT: Acoustic navigation
RT: Doppler effect

Doppler sonar
UF: Acoustic doppler sonar
BT: Active sonar
RT: Doppler effect

Doppler sonar navigation
USE: Doppler navigation

Dormancy
RT: Aestivation
   Hibernation
   Metabolism
   Resting stages
   Thermoregulation

Dormant stages
USE: Cysts

Double diffusion
UF: Diffusive convection
   Double diffusive convection
   Salt finger convection
   Salt fingering
BT: Molecular diffusion
RT: Double diffusive instability
   Microstructure
   Salinity gradients
   Salt fingers
   Temperature gradients
   Vertical mixing

Double diffusive convection
USE: Double diffusion

Double diffusive instability
BT: Instability
RT: Double diffusion
   Trans-isopycnal mixing

Double kelvin waves
USE: Kelvin waves

Douglas scale
USE: Sea state scales

Downstream migrations
USE: Catadromous migrations

Downward irradiance
BT: Irradiance

Downward long wave radiation
UF: Atmospheric radiation
BT: Terrestrial radiation

Downwelling
BT: Vertical water movement
RT: Convergence
   Mixing processes
   Oceanic convergences
   Upwelling
   Water mixing

Drag
NT: Form drag
RT: Bottom stress
   Drag coefficient
   Friction
   Wind stress
   Wind wave generation

Drag coefficient
RT: Bed roughness
   Drag
   Kinetic energy
   Reynolds number
   Surface roughness
   Wind stress
   Wind wave generation

Dragging nets
USE: Bottom trawls

Drainage basins
USE: River basins

Drainage water
SN: Drainage water of artificial or natural origin
BT: Water
NT: Runoff
RT: Sewage
   Waste water
   Water table
   Watersheds

Drawings
USE: Illustrations

Dredge spoil
BT: Wastes
RT: Dredgers
   Spoil

Dredged samples
BT: Sediment samples
RT: Dredges (geology)

Dredgers
UF: Dredging vessels
BT: Surface craft
RT: Channels
   Dredge spoil
   Dredges
   Dredging
   Work platforms

Dredges
SN: Refers to fishing dredges only.
For sediment dredges use DREDGES (GEOLOGY)
UF: Boat dredges
   Dredges (fishing)
   Hand dredges
BT: Fishing gear
RT: Boats
   Dredgers

Dredges (fishing)
USE: Dredges

Dredges (geology)
BT: Sediment samplers
RT: Dredged samples
   Seafloor sampling
Drilling
UF: Boring
RT: Drilling
Drilling equipment
Drills
Heave compensators

Drilling fluids
UF: Drilling muds
Muds (drilling)
Sludge (drilling fluids)
BT: Fluids
RT: Drill pipe
Drilling equipment

Drilling platforms
SN: Use with type of offshore structures
BT: Work platforms
RT: Drilling
Drilling equipment
Drilling fluids
Drilling rigs
Drilling vessels
Production platforms
Drilling rigs
UF: Oil rigs
Rigs
BT: Drilling equipment
RT: Drill pipe
Drilling platforms
Production platforms

Drilling ships
USE: Drilling vessels

Drilling vessels
UF: Drilling ships
RT: Deep-sea drilling
Drilling platforms
Production platforms
Surface craft
Work platforms

Drills
UF: Drill bits
BT: Sediment samplers
RT: Drill pipe
Drill string

Drogues
BT: Surface drifters
RT: Anchors
Buoys
Current measuring equipment
Lagrangian current measurement

Droplets
UF: Drops
Rain drops
BT: Hydrometeors
RT: Bubble bursting
Capillarity
Spray

Drops
USE: Droplets

Dropsonde
BT: Profilers
RT: Velocity profilers

Dropwindsondes
USE: Radiosondes

Drought resistance
BT: Biological resistance
RT: Droughts
Environmental effects
Temporary ponds

Droughts
UF: Drouths
BT: Weather hazards
RT: Arid environments
Disasters
Drought resistance
Dry season
Rain
Rainfall
Temporary ponds
Water levels
Water resources

Dry bulb temperature
USE: Air temperature

Dry diving
USE: Deep-sea diving

Dry season
BT: Seasons
RT: Droughts
Rainy season
Tropical environment
Tropical lakes

Dry weight
BT: Weight
RT: Drying

Drying
UF: Drying of fish
Fish drying
BT: Processing fishery products
NT: Freeze-drying
RT: Adsorption drying
Dehydration
Desiccation
Dewatering
Dry weight
Evaporation
Separation
Water content

Drying of fish
USE: Drying

Duck-fish culture
USE: Agropisciculture

Ductless glands
USE: Endocrine glands

Dumping
USE: Ocean dumping

Dumping grounds
USE: Waste disposal sites

Dune stabilization
RT: Beach erosion
Coastal zone management
Dunes
Erosion control
Vegetation cover

Dunes
UF: Coastal dunes
Sand dunes (subaerial)
BT: Beach features
RT: Beaches
Bed forms
Coasts
Dune stabilization
Sand
Sand waves

Dung
USE: Manure

Dungeness crab fisheries
USE: Crab fisheries

Durability
USE: Toughness

Duration
RT: Wave parameters
Wind wave generation
Wind wave parameters
Dust
NT: Cosmic dust
Eolian dust
RT: Air pollution
Atmospheric particulates
Dust clouds
Haze
Radioactive contamination

Dust (atmospheric)
USE: Atmospheric particulates

Dust (cosmic)
USE: Cosmic dust

Dust (volcanic)
USE: Volcanic ash

Dust clouds
UF: Dust falls
Dust storms
RT: Dust
Eolian transport
Haze
Volcanic ash

Dust falls
USE: Dust clouds

Dust storms
USE: Dust clouds

Dye dispersion
UF: Diffusion (dye patch)
BT: Dispersion
RT: Dyes
Oceanic turbulence
Turbulent diffusion

Dyes
BT: Tracers
NT: Rhodamine B-dye
RT: Dye dispersion
Pigments
Staining

Dynamic analysis
BT: Analysis

Dynamic height
UF: Geopotential
BT: Potential energy
RT: Dynamic height anomaly
Dynamic topography
Height
Stream functions

Dynamic height anomaly
UF: Geopotential anomaly
BT: Anomalies
RT: Dynamic height
Isobaric surfaces
Specific volume anomalies

Dynamic instability
USE: Instability

Dynamic loads
BT: Loads (forces)
RT: Cyclic loading
Structural dynamics

Dynamic positioning
BT: Positioning systems
RT: Acoustic beacons
Locating
Navigation
Threats

Dynamic response
BT: Instrument responses
NT: Heave response
Pitch response
Roll response
Surge response
Yaw response
RT: Frequency

Dynamic topography
UF: Geopotential topography
BT: Topography
RT: Dynamic height
Geostrophic flow
Geostrophic method
Isobaric surfaces
Streamlines
Surface slope
Surface topography

Dynamic viscosity
BT: Viscosity
RT: Eddy viscosity
 Momentum transfer
Shear
Shear flow
Shear stress

Dynamical oceanography
BT: Oceanography
RT: Equatorial dynamics
Estuarine dynamics
Fluid mechanics
Fluid motion
Hydrodynamic equations
Marine geodesy
Nearshore dynamics
Ocean currents
Ocean-atmosphere system
Seiches
Shelf dynamics
Tides

Dynamics
BT: Mechanics
NT: Cable dynamics
Fluid dynamics
Hydrodynamics
Sediment dynamics
Structural dynamics

Dysprosium
BT: Lanthanides

Dystrophic lakes
UF: Dystrophic waters
BT: Lakes
RT: Eutrophic lakes
Humic acids
Oligotrophic lakes
Stagnant water

Dystrophic waters
USE: Dystrophic lakes

Eagre
USE: Tidal bores
Ears
USE: Auditory organs

Earth
RT: Earth atmosphere
Earth curvature
Earth history
Earth orbit
Earth rotation
Earth sciences
Earth structure
Earth tides
Earth tilt
Geoid

Earth (soil)
USE: Soils

Earth age
USE: Age

Earth atmosphere
SN: Before 1982 search also
ATMOSPHERE (EARTH)
UF: Atmosphere (earth)
Terrestrial atmosphere
BT: Planetary atmospheres
NT: Stratosphere
Tropopause
Troposphere
Upper atmosphere
RT: Air
Atmospheric chemistry
Atmospheric motion
Atmospheric physics
Atmospheric pressure
Degassing
Earth
Greenhouse effect
Heat budget
Hygrometry
Meteorology
Ocean-atmosphere system
Ozone

Earth core
UF: Core (earth)
BT: Earth structure
RT: Earth mantle
Earth crust
UF: Crust (earth)
BT: Earth structure
NT: Continental crust
Oceanic crust
Sial
Sima
RT: Basement rock
Crustal shortening
Crustal structure
Crustal thickness
Earth mantle
Epeirogeny
Isostasy
Lithosphere
Tectonophysics
Earth currents
USE: Telluric currents
Earth curvature
RT: Earth
Earth history
RT: Atmosphere evolution
Earth
Earth magnetic field
USE: Geomagnetic field
Earth magnetism
USE: Geomagnetism
Earth mantle
SN: Before 1986 search also
MANTLE
UF: Mantle (earth)
BT: Earth structure
NT: Lower mantle
Upper mantle
RT: Continental drift
Degassing
Earth core
Earth crust
Mantle convection
Mantle plumes
Moho
Earth measurement
USE: Geodesy
Earth orbit
RT: Astronomy
Earth
Earth remote sensing
USE: Geosensing
Earth rotation
BT: Rotation
RT: Chandler wobble
Climatic changes
Earth
Polar wandering
Tidal friction
Earth sciences
NT: Atmospheric sciences
Geology
Geophysics
Oceanography
RT: Aquatic sciences
Earth
Earth structure
NT: Aseismic zones
Asthenosphere
Basement rock
Benioff zone
Earth core
Earth crust
Earth mantle
Lithosphere
Plates
Seismic layers
Seismic zones
RT: Continents
Earth
Moho
Earth tides
UF: Tides (earth)
BT: Tidal motion
RT: Atmospheric tides
Earth
Geodesy
Ocean loading
Tides
Tillmeters
Earth tilt
RT: Earth
Earth waves
USE: Seismic waves
Earthquake loading
BT: Loads (forces)
RT: Earthquakes
Ground motion
Seismic activity
Earthquake prediction
BT: Prediction
RT: Earthquakes
Warning services
Earthquake waves
USE: Seismic waves
Earthquakes
UF: Seismic events
BT: Geological hazards
NT: Microearthquakes
RT: Active margins
Disasters
Earthquake loading
Earthquake prediction
Epicentres
Ground motion
Seaquakes
Seismic activity
Seismology
Slumping
Tsunami generation
Tsunamis
Easterly waves
RT: Equatorial easterlies
Equatorial trough
Tropical depressions
Tropical meteorology
Eastern boundary currents
BT: Boundary currents
RT: Coastal upwelling
Ekman transport
Tidal cycles
Ebb currents
BT: Tidal currents
RT: Low tide
Tidal cycles
Ecdysis
USE: Moulting
Ecdysones
USE: Ecdysones
Ecdysones
SN: Before 1982 search
HORMONES
UF: Ecdysones
Moulting hormones
BT: Hormones
RT: Moulting
Echinoderm fisheries
UF: Sea cucumber fisheries
Sea urchin fisheries
BT: Shellfish fisheries
RT: Coastal fisheries
Marine fisheries
Echo counting systems
USE: Fish counters
Echo integration
USE: Echo integrators
Echo integrators
UF: Echo integration
RT: Acoustic equipment
Echoes
Fish counters
Sonar detection
Echo ranging
UF: Acoustic direction finding
Acoustic distance measurement
Sound ranging
RT: Acoustic tracking systems
Active sonar
Detection
Direction
Echoes
Echolocation
Sonar detection
**Echo surveys**
- UF: Acoustic surveys
- BT: Surveys
- RT: Echoes
  - Echosounders
  - Echosounding
  - Fish size
  - Fishery surveys
  - Tracking

**Echoes**
- RT: Acoustics
  - Echo integrators
  - Echo ranging
  - Echo surveys
  - Echolocation
  - Echosounder profiles
  - Echosounders
  - Echosounding

**Echolocation**
- RT: Auditory organs
  - Behaviour
  - Echo ranging
  - Echoes
  - Sonar detection
  - Sound production

**Echosounder profiles**
- BT: Analog records
- BT: Bathymetric profiles
- Echoes
- Geological sections
- Vertical sections

**Echosounders**
- UF: Precision echosounders
- BT: Acoustic equipment
- RT: Active sonar
  - Depth recorders
  - Echo surveys
  - Echoes
  - Echosounding
  - Sound recorders
  - Wave measuring equipment

**Echosounding**
- SN: For detection of organisms and abundance estimation, depth and bottom structure
- UF: Depth finding
- BT: Depth measurement
- RT: Bathymetry
  - Bottom topography
  - Echo surveys
  - Echoes
  - Echosounders
  - Remote sensing
  - Scattering layers
  - Seafloor mapping
  - Sound waves
  - Soundings
  - Sub-bottom profiling

**Eclines**
- BT: Clines
- RT: Ecological distribution
  - Ecological zonation

**Ecolabelling**
- SN: Ecolabelling is generally a voluntary system aimed at encouraging sustainable use of resources by giving consumers a clear choice. For fish products, a distinctive logo or statement marks the product as having been harvested in compliance with conservation and sustainability standards
- RT: Certification

**Ecological aggregations**
- UF: Aggregations (ecological)
- RT: Environmental effects
  - Social behaviour

**Ecological associations**
- SN: A characteristic association of animals and/or plants belonging to a particular habitat. Before 1982 search ASSOCIATIONS (ECOLOGICAL)
- UF: Animal associations
  - Assemblages
  - Associations (animal)
  - Associations (ecological)
  - Organism associations
- RT: Aquatic communities
  - Biocoenosis
  - Biotopes
  - Climax community
  - Cohorts
  - Colonies
  - Dominant species
  - Ecological succession
  - Habitat
  - Synecoölogy

**Ecological balance**
- SN: The state of dynamic equilibrium of a biotic community or ecosystem
- UF: Balance (ecological)
  - Balance of nature
  - Biological balance
  - Biological equilibrium
  - Ecosystem stability
  - Stability (ecological)
- RT: Ecological crisis
  - Ecology
  - Ecosystem management
  - Ecosystems

**Ecological crisis**
- UF: Ecological balance disruption
- RT: Ecological balance
  - Ecology
  - Environmental effects
  - Pollution

**Ecological distribution**
- BT: Distribution
- RT: Biogeography
  - Biological rhythms
  - Eclines
  - Ecological zonation
  - Ecology
  - Ecosystems
  - Endemic species
  - Environmental effects
  - Geographical distribution
  - Limiting factors
  - Migrations
  - Relict species

**Ecological diversity**
- USE: Species diversity

**Ecological efficiency**
- SN: Ratio of production to food ingestion
- UF: Efficiency (ecological)
- RT: Energy budget
  - Food consumption
  - Nutritional requirements

**Ecological niches**
- USE: Niches

**Ecological physiology**
- USE: Ecophysiology

**Ecological sciences**
- USE: Ecology

**Ecological succession**
- SN: Before 1982 search SUCCESSION (ECOLOGICAL)
- UF: Succession (ecological)
- RT: Aquatic communities
  - Climax community
  - Community composition
  - Dominant species
  - Ecological associations
  - Habitat
  - Multispecies fisheries
  - Species diversity

**Ecological zonation**
- UF: Intertidal zonation
  - Littoral zonation
  - Zonation (ecological)
- RT: Benthos
  - Eclines
  - Ecological distribution
  - Inter tidal environment
  - Littoral zone
  - Sheltered habitats
  - Substrata
  - Tides
  - Vertical distribution
ASFA THESAURUS

Ecologists
BT: Scientific personnel
NT: Freshwater ecologists
Marine ecologists
RT: Ecology

Ecology
UF: Aquatic ecology
Bionomics
Ecological sciences
Lake ecology
NT: Autecology
Brackishwater ecology
Ethology
Freshwater ecology
Genecology
Marine ecology
Palaeoecology
Parasitology
Phytosociology
Planktonology
Radioecology
Synecology
RT: Biofacies
Biogeography
Biology
Ecological balance
Ecological crisis
Ecological distribution
Ecologists
Ecophysiology
Ecosystems
Ecotoxicology
Environmental conditions
Phenology
Photoriodicity
Species

Econometric models
USE: Economic models

Econometrics
SN: Statistical analysis of economic data with the aid of electronic computers
BT: Economics
RT: Economic analysis
Linear programming

Economic analysis
UF: Economic evaluations
BT: Analysis
RT: Cost analysis
Econometrics
Economic benefits
Economic models
Statistical analysis

Economic benefits
RT: Economic analysis
Economic feasibility

Economic feasibility
SN: Before 1982 search
FEASIBILITY
BT: Feasibility
RT: Cost analysis
Economic benefits

Economic models
UF: Econometric models
BT: Mathematical models
RT: Economic analysis
Economics

Economic resources
USE: Resources

Economic species
USE: Commercial species

Economics
NT: Econometrics
Fishery economics
Globalization
RT: Commerce
Economic models
Livelihoods
Trade

Ecophene
SN: A type of individual developing as a result of a physiological, as opposed to genetic, response to habitat factors
RT: Ecophysiology
Phenotypes

Ecophysiology
UF: Ecological physiology
Physiological ecology
BT: Physiology
RT: Aestivation
Biological resistance
Ecology
Ecophene
Environmental effects
Photoperiods
Survival
Tolerance

Ecosystem disturbance
UF: Disturbance (ecosystem)
RT: Ecosystems

Ecosystem diversity
USE: Biodiversity

Ecosystem management
SN: Management of aquatic ecosystems
BT: Management
NT: Coastal zone management
River basin management
RT: Ecological balance
Ecosystems
Environment management

Ecosystem resilience
UF: Resilience (ecosystem)

Ecosystem stability
USE: Ecological balance

Ecosystems
RT: Aquatic communities
Aquatic environment
Bioenergetics
Biological production
Ecological balance
Ecological distribution
Ecology
Ecological disturbance
Ecosystem management
Ecosystem resilience
Food webs
Niches
Trophic levels
Trophic structure

Ecotoxicology
BT: Toxicology
RT: Ecology

Ecotypes
SN: A biotype resulting from selection in a particular habitat
UF: Habitat types
RT: Adaptations
Biological speciation
Habitat
Typology

Ectocrines
RT: Hormones
Metabolites

Ectoderm
USE: Skin

Ectoparasites
BT: Parasites
RT: Ectoparasitism
Epizoites
Lamprey attachment

Ectoparasitism
BT: Parasitism
RT: Ectoparasites

Ectosymbionts
USE: Symbionts

Eddies (lee)
USE: Lee eddies

Eddies (oceanic)
USE: Oceanic eddies

Eddy coefficients
USE: Exchange coefficients
**Eddy conduction**
UF: Eddy heat conduction
Eddy heat flux
Turbulent heat transfer
BT: Heat transfer
RT: Eddy conductivity
Heat conduction
Turbulent diffusion

Eddy conduction coefficient
USE: Eddy conductivity

**Eddy conductivity**
UF: Eddy conduction coefficient
BT: Eddy diffusivity
RT: Eddy conduction
Thermal conductivity
Turbulence

Eddy diffusion
USE: Turbulent diffusion

Eddy diffusion coefficient
USE: Eddy diffusivity

**Eddy diffusivity**
UF: Eddy diffusion coefficient
NT: Eddy conductivity
RT: Diffusion coefficients
Thermal diffusivity
Turbulence
Turbulent diffusion

**Eddy flux**
UF: Turbulent exchange
RT: Exchange coefficients
Mixing length

Eddy heat conduction
USE: Eddy conduction

Eddy heat flux
USE: Eddy conduction

**Eddy kinetic energy**
UF: Turbulent energy
BT: Kinetic energy
RT: Mesoscale eddies

Eddy stresses
USE: Reynolds stresses

**Eddy viscosity**
UF: Kinematic eddy viscosity
BT: Viscosity
RT: Dynamic viscosity
Eddy viscosity coefficient
Mixing length
Momentum transfer
Reynolds stresses
Turbulence
Turbulent diffusion
Turbulent flow

Eddy viscosity coefficient
UF: Coefficient of eddy viscosity
BT: Viscosity coefficients
RT: Eddy viscosity

**Edge waves**
BT: Trapped waves
RT: Beach cusps
Rip currents
Tsunamis
Waves on beaches

Edible crab fisheries
USE: Crab fisheries

Edible fish
USE: Food fish

**Education**
UF: Fishery education
Teaching
RT: Curricula
Education establishments
Extension activities
Fellowships
Training

Education establishments
UF: Schools
Universities
BT: Organizations
RT: Education
Research institutions
Training centres

EEZ
USE: Exclusive economic zone

Efferent nerves
USE: Nerves

**Efficiency**
RT: Calibration
Performance assessment

Efficiency (ecological)
USE: Ecological efficiency

**Effluents**
BT: Wastes
NT: Aquaculture effluents
RT: Influent
Outfalls
Sewage
Waste water
Wastewater treatment

Effluents (aquaculture)
USE: Aquaculture effluents

**Egg counters**
BT: Counters
RT: Eggs

Egg production
USE: Fecundity

**Eggs**
UF: Ova
BT: Sexual cells
NT: Bird eggs
Brine shrimp eggs
Fish eggs

Insect eggs
Oocytes
Resting eggs
RT: Egg counters
Embryology
Embryonic development
Embryos
Fecundity
Hatching
Incubation
Oogenesis
Ovoviviparity
Ovulation
Vitellogenesis
Yolk

EH
USE: Redox potential

EIA
USE: Environmental assessment

**Eigenfunctions**
SN: Solutions of differential equations satisfying specific conditions
RT: Differential equations
Mathematics

Ekman boundary layers
USE: Ekman layers

Ekman circulation
USE: Ekman transport

Ekman current
USE: Ekman transport

**Ekman layers**
UF: Ekman boundary layers
BT: Boundary layers
NT: Bottom Ekman layer
Surface Ekman layer
RT: Ekman spiral
Vertical shear

Ekman pumping
USE: Ekman suction
RT: Upwelling

Ekman spiral
BT: Hodographs
RT: Coriolis parameters
Ekman layers
Wind-driven currents

Ekman suction
USE: Ekman pumping

**Ekman transport**
UF: Ekman circulation
Ekman current
BT: Transport
Upwelling
RT: Eastern boundary currents
El Nino phenomena
El Nino phenomena
- RT: Coastal upwelling
- Disasters
- Ekman transport
- Southern oscillation
- Teleconnections

Elastic constants
- BT: Constants
- NT: Bulk modulus
- Shear modulus
- RT: Elasticity
- Poisson's ratio
- Soil mechanics

Elastic waves
- UF: Pressure waves
- Waves (elastic)
- NT: Seismic waves
- Sound waves
- RT: Vibration

Elasticity
- UF: Anelasticity
- BT: Mechanical properties
- RT: Bulk modulus
- Compressibility
- Deformation
- Elastic constants
- Flexibility
- Plasticity
- Poisson's ratio
- Rock mechanics
- Shear modulus
- Soil mechanics
- Strain
- Stress (mechanics)
- Tensile strength

Electric arc welding
- BT: Welding
- RT: Electrodes

Electric batteries
- USE: Batteries

Electric cables
- BT: Cables
- NT: Coaxial cables
- Power cables
- Submarine cables
- RT: Connectors
- Electrical equipment
- Riser cables
- Umbilicals

Electric charge
- BT: Electricity
- RT: Bubble bursting
- Capacitance
- Electrical properties

Electric currents
- UF: Currents (electric)
- NT: Impressed currents
- Telluric currents
- RT: Current density
- Electric fields
- Electricity

Electric fences
- BT: Guiding devices
- RT: Electric fishing
- Electric stimuli
- Electrified gear
- USE: Electrified gear

Electric fields
- BT: Fields
- RT: Electric currents
- Electric potential
- Electrical conductivity
- Electromagnetic radiation

Electric fishing
- UF: Electro-fishing
- BT: Catching methods
- RT: Electric fences
- Electric stimuli
- Electrified gear
- Pump fishing
- Stupefying methods

Electric generators
- UF: Generators
- BT: Electric power sources
- RT: Electrical equipment
- Motors

Electric impedance
- BT: Electrical properties
- Impedance
- RT: Capacitance
- Electrical conductivity
- Electrical resistivity

Electric organs
- UF: Electoreceptors
- RT: Bioelectricity
- Electric stimuli
- Stinging organs

Electric potential
- UF: Electric potential difference
- RT: Current velocity
- Electric fields
- Electrical properties
- Electrodes
- Electromagnetism
- GEK

Electric potential difference
- USE: Electric potential

Electric power plants
- USE: Power plants

Electric power sources
- UF: Power supplies
- Power systems
- NT: Batteries
- Electric generators
- Solar cells
- Wave power devices
- RT: Electricity
- Energy resources
- Motors
- Power consumption
- Power plants

Electric shocking gear
- USE: Electrified gear

Electric stimuli
- BT: Stimuli
- RT: Electric fences
- Electric fishing
- Electric organs
- Electrophysiology

Electric conductivity
- SN: Before 1982 search also ELECTRICAL CONDUCTANCE
- UF: Conductance (electrical)
- Conductivity (electrical)
- Electrical conductance
- BT: Electrical properties
- RT: Conductivity ratio
- Conductivity sensors
- CTD profilers
- Electric fields
- Electric impedance
- Electrical resistivity
- Refractive index

Electric engineering
- BT: Engineering

Electrical equipment
- BT: Equipment
- NT: Electroacoustic devices
- Electrodes
- Electronic equipment
- RT: Batteries
- Electric cables
- Electric generators

Electrical exploration
- BT: Geophysical exploration
- RT: Coast effect
- Electrical resistivity

Electrical insulation
- BT: Insulating materials

Electrical properties
- BT: Physical properties
- NT: Capacitance
- Dielectric constant
- Electric impedance
- Electrical conductivity
- Electrical resistivity
- RT: Capillarity
- Chemical properties
- Electric charge
- Electric potential
- Electricity
- Electroanalysis
- Electrochemistry
- Electrodialysis
- Electrolysis
Electrophoresis
 Luminescence
 Thermodynamic properties

Electrical resistivity
 UF: Resistivity (electrical)
 BT: Electrical properties
 RT: Electric impedance
 Electrical conductivity
 Electrical exploration
 Magnetotelluric methods
 Permeability
 Porosity

Electricity
 NT: Atmospheric electricity
 Electric charge
 RT: Electric currents
 Electric power sources
 Electrical properties
 Electromagnetism
 Power consumption

Electrified gear
 UF: Electric shocking gear
 Electrified nets
 BT: Fishing gear
 RT: Electric fences
 Electric fishing
 Stupefying methods

Electroacoustic devices
 BT: Acoustic equipment
 Electrical equipment
 RT: Acoustic transducers
 Electronic equipment
 Pingers

Electroanaesthesia
 USE: Anaesthesia

Electroanalysis
 UF: Electrolytic analysis
 BT: Analysis
 RT: Chemical reactions
 Analysis
 Anions
 Cations
 Chemical degradation
 Corrosion
 Electrical properties
 Electrochemistry
 Electrolytes
 Ion transport
 Oxidation
 Polarization
 Polarography
 Voltammetry

Electrolytes
 RT: Electrolysis
 Electrolytic analysis
 USE: Electrolysis

Electromagnetic exploration
 UF: Electromagnetic survey
 BT: Geophysical exploration
 RT: Magnetotelluric methods

Electromagnetic power
 BT: Power from the sea
 RT: Batteries
 Electromagnetism

Electromagnetic radiation
 UF: Electromagnetic waves
 Waves (electromagnetic)
 BT: Radiations
 NT: Gamma radiation
 Infrared radiation
 Light
 Microwaves
 Radio waves
 Solar radiation
 Terrestrial radiation
 Ultraviolet radiation
 X-rays
 RT: Electric fields
 Electromagnetism
 Geosensing
 Lasers
 Luminescence
 Magnetic fields
 Nuclear radiations
 Polarization

Electronic equipment
 BT: Electrical equipment
 NT: Calculators
 Computers
 Robots
 RT: Acoustic equipment
 Airborne equipment
 Electroacoustic devices
 Electronic noise
 Recording equipment
 Remote sensing equipment
 Satellites
 Sensors
 Sonar
 Test equipment
 Thermistors
 Thermocouples
 Transponders

Electrode
 BT: Electrical equipment
 NT: Anodes

Electrophoresis
 USE: Electrophoretic analysis

Electronics
 BT: Analytical techniques
 RT: Biochemical analysis
 Colloids
 Electrical properties
 Electrochemistry
 Electrodialysis
 Separation
 Serological studies
 Serological taxonomy

Electroradiation
 USE: Electromagnetic exploration

Electroerosion
 USE: Electrochemical analysis

Electrolysis
 USE: Electrolytic analysis

Electromagnetism
 BT: Magnetism
 RT: Electric potential
 Electricity
 Electromagnetic power
 Electromagnetic radiation

Electromagnetic survey
 USE: Electromagnetic exploration

Electromagnetic waves
 USE: Electromagnetic radiation

Electron microscopy
 USE: Electron microscope

Electronic noise
 USE: Analog models

Electrochemical analysis
 BT: Analytical techniques
 RT: Biochemical analysis
 Colloids
 Electrical properties
 Electrochemistry
 Electrodialysis
 Separation
 Serological studies
 Serological taxonomy

Electronic models
Electrophoretic analysis
USE: Electrophoresis

Electrophoretic marking
USE: Marking

Electrophysiology
BT: Physiology
RT: Electric stimuli

Electroreceptors
USE: Electric organs

Elements
USE: Chemical elements

Elements (chemical)
USE: Chemical elements

Elisa

Elvers
USE: Juveniles

Embankments
UF: Dikes (embankments)
BT: Banks (topography)
NT: Levees
RT: Flood control
Polders
Semi-enclosed seas

Embrittlement
RT: Brittleness
Cracking (corrosion)
Deterioration
Stress corrosion

Embryology
BT: Biology
RT: Eggs
Embryonic development
Embryos
Morphogenesis
Ontogeny
Organogenesis
Vitellogenesis
Zoology

Embryonic development
BT: Biological development
RT: Eggs
Embryology
Embryos
Morphogenesis
Vitellogenesis

Embryos
BT: Developmental stages
NT: Foetus
RT: Eggs
Embryology
Embryonic development
Larvae

Emergence
SN: Appearance of the imago from the pupa-case or pupal integument
RT: Developmental stages
Nymphs

Emergencies
RT: Accidents
Disasters
Evacuation

Emergency vessels
UF: Standby vessels
RT: Fire fighting
Search and rescue
Support ships
Surface craft

Emergent coasts
USE: Emergent shorelines

Emergent shorelines
UF: Emergent coasts
BT: Coasts
RT: Deglaciation
Epeirogeny
Progradation
Raised beaches
Regressions
Submerged shorelines
Uplift

Embrittlement
RT: Brittleness
Cracking (corrosion)
Deterioration
Stress corrosion

Embrittlement
RT: Brittleness
Cracking (corrosion)
Deterioration
Stress corrosion

Encrustation
SN: The formation by an organism of a protective capsule surrounding itself
BT: Biological phenomena
RT: Cysts
Defence mechanisms
Spores

Endangered organisms
USE: Rare species

Endangered species
USE: Rare species

Endemic species
SN: A species confined naturally to a certain limited area or region
UF: Indigenous species
BT: Species
RT: Biogeography
Ecological distribution
Endemism
Geographical distribution
Introduced species
Migratory species

Endemism
UF: Endemicity
RT: Biogeography
Endemic species
Geographical distribution

Endocrine disruptors
SN: A synthetic chemical that when absorbed into an organism either mimics or blocks hormones and disrupts the normal functions of the organism. Known human endocrine disruptors include but are not limited to: dioxin, PCBs, DDT, and some other pesticides.
BT: Chemical pollutants

Endocrine glands
UF: Ductless glands
Endocrine systems
BT: Glands
NT: Adrenal glands
Gonads
Pituitary gland
Thymus
Thyroid
RT: Endocrinology
Hormones

Endocrinology
BT: Physiology
RT: Endocrine glands
Enzymes
Hormones
Metabolism

Emission spectroscopy
BT: Spectroscopic techniques

Emissivity
RT: Absorption coefficient
Optical properties
Radiance
Surface properties

Employees
USE: Personnel

Emulsions
RT: Colloids
Oil in water content
Solutions

Enclosures
BT: Barrages
RT: Fish ponds

Encrustations
USE: Concretions

Encyclopaedias
UF: Encyclopaedias
BT: Documents

Encyclopaedias
USE: Encyclopaedias

Encyclopaedia
Endofauna
USE: Burrowing organisms

Endogenous rhythms
USE: Biological rhythms

Endoparasites
BT: Parasites
RT: Endoparasitism
Phagocytosis
Toxicity

Endoparasitism
BT: Parasitism
RT: Endoparasites
Phagocytosis

Endoskeleton
BT: Skeleton
NT: Bones
RT: Otoliths
Vertebrac counts

Endosymbionts
USE: Symbionts

Endothelium
USE: Epithelia

Endotoxins
SN: Poisonous substances produced and retained within a cell, and released only after death of the cell
BT: Biological poisons
RT: Bacteria
Bacterial diseases
Bacteriology

Energy
SN: Use does not include energy resources
NT: Geothermal energy
Heat
Kinetic energy
Nuclear energy
Potential energy
Wave energy
RT: Conservation of energy
Energy balance
Energy budget
Energy flow
Energy resources
Free energy

Energy balance
RT: Energy
Energy budget
Energy flow

Energy budget
NT: Heat budget
RT: Bioenergetics
Calorimetry
Cycles
Ecological efficiency
Energy

Energy dissipation
BT: Energy transfer
NT: Wave dissipation
RT: Energy budget
Friction

Engineering
SN: Use of a more specific term is recommended
NT: Aquaculture engineering
Chemical engineering
Civil engineering
Coastal engineering
Electrical engineering
Fishery engineering
Hydraulic engineering
Offshore engineering
Petroleum engineering
River engineering
Sanitary engineering
Structural engineering
RT: Design
Engineering drawings
Engineers
Technology

Engineering drawings
UF: Blueprints
BT: Graphics
RT: Design
Engineering

Engineers
BT: Experts
RT: Engineering

Enthalpy
BT: Thermodynamic properties
NT: Sublimation heat
Vaporization heat
RT: Conservative properties
Entropy
Free energy
Specific heat
Thermodynamics

Entomologists
BT: Zoologists
RT: Entomology
Taxonomists

Enteric redmouth
USE: Redmouth disease

Enstrophy
SN: Total squared vorticity
BT: Vorticity

Entanglement
NT: Bird entanglement
Fish entanglement
Mammal entanglement
Turtle entanglement

Entangling nets
UF: Trammels
BT: Fishing nets
RT: Gillnets

Energy
Transfer of properties
NT: Energy dissipation
Heat transfer
Radiative transfer
RT: Air-water exchanges
Air-water interface
Baroclinic instability
Barotropic instability
Mass transfer
Moisture transfer
Momentum transfer
Wave energy
Wave generation
Wave interactions

Energy resources
USE: Energy transfer

Energy spectra
UF: Power spectra
BT: Spectra
RT: Directional spectra
Frequency spectra
Water currents
Water waves

Energy transfer
UF: Energy flux
Transfer of properties
NT: Energy dissipation
Heat transfer
Radiative transfer
RT: Air-water exchanges
Air-water interface
Baroclinic instability
Barotropic instability
Mass transfer
Moisture transfer
Momentum transfer
Wave energy
Wave generation
Wave interactions
Entomology
BT: Invertebrate zoology
RT: Aquatic insects
Entomologists

Entrainment
SN: Intaking of free-floating organisms from surrounding waters through power plant screens. For entrainment as a hydrodynamic process use TURBULENT ENTRAINMENT
UF: Plankton entrainment
Power plant entrainment
RT: Cooling water
Impingement
Turbulent entrainment

Entropy
BT: Thermodynamic properties
RT: Energy budget
Enthalpy
Heat transfer
Thermodynamics

Environment degradation
USE: Environmental degradation

Environment management
SN: Management of the aquatic environment
UF: Environmental planning
BT: Management
RT: Aquatic environment
Ecosystem management
Environmental legislation
Environmental monitoring
Environmental surveys
Nature conservation
Resource conservation
Resource management
Waste treatment

Environmental assessment
UF: EIA
Environment Impact Assessment
RT: Environmental conditions
Environmental effects
Environmental factors
NT: Abiotic factors
Biotic factors
RT: Discontinuity layers
Environmental assessment
Environmental legislation
Globalization
Hazard assessment
Man-induced effects
Pollution effects

Environmental chemistry
USE: Geochemistry

Environmental conditions
RT: Ecology
Environmental assessment
Environmental charts
Environmental diseases
Environmental effects
Environmental factors
Environmental surveys
Environments
Limiting factors
Sea state
Wave climate

Environmental contamination
USE: Pollution

Environmental degradation
SN: Degradation of the aquatic environment as a result of natural events or caused by man’s activities.
UF: Environment degradation
Habitat degradation
BT: Degradation
RT: Aquatic environment
Environmental impact
Man-induced effects
Pollution effects

Environmental diseases
SN: Diseases associated with physical or physico-chemical abnormalities of water
UF: Abiotic diseases
BT: Diseases
RT: Animal diseases
Environmental conditions
Husbandry diseases
Sunburn

Environmental effects
SN: Effects of environmental conditions on living organisms and fisheries
NT: Culture effects
Gravity effects
Group effects
Light effects
pH effects
Pressure effects
Salinity effects
Temperature effects
Tidal effects
RT: Aestivation
Biological production
Biological resistance
Disease resistance
Drought resistance
Ecological aggregations
Ecological crisis
Ecological distribution
Ecophysiology
Environmental assessment
Environmental conditions

Environmental factors
Environments
Evapotranspiration
Hibernation
Natural selection
Phenotypes
Phenotypic variations
Resting stages
Syneceology
Tolerance
Vertical migrations
Weathering

Environmental impact
SN: The change in well-being of the ecosystems, that results from a process set in motion or accelerated by man’s actions
RT: Environmental assessment
Environmental degradation
Environmental legislation
Globalization
Hazard assessment
Man-induced effects
Pollution effects

Environmental legislation
SN: Legislation for protection of aquatic environment and organisms
BT: Legislation
NT: Pollution legislation
RT: Conservation
Environment management
Environmental impact
Environmental protection
Law of the sea

Environmental monitoring
BT: Monitoring
NT: Pollution monitoring
RT: Environment management
Environmental assessment
Environmental protection
Warning services
Environmental planning  
USE: Environment management

Environmental pollution  
USE: Pollution

Environmental protection  
BT: Protection
NT: Shore protection
RT: Conservation
Environmental legislation
Environmental monitoring
Pollution control

Environmental surveys  
BT: Surveys
NT: Limnological surveys
Oceanographic surveys
Pollution surveys
RT: Aquatic environment
Biological surveys
Environment management
Environmental assessment
Environmental charts
Environmental conditions
Environmental factors

Environments  
SN: Use of a more specific term is recommended
NT: Aquatic environment
Palaeoenvironments
Sedimentary environments
Tropical environment
RT: Environmental charts
Environmental conditions
Environmental effects
Environmental factors

Enzymatic activity  
UF: Enzyme activity
Enzymatic activity
RT: Biosynthesis
Catalysts
Digestion
Enzymes
Metabolism

Enzymatic hydrolysis  
USE: Enzymolysis

Enzymolysis  
SN: Hydrolysis by means of enzymes
UF: Enzymatic hydrolysis
BT: Hydrolysis
RT: Enzymes

Eocene  
SN: Before 1982 search EOCENE EPOCH
BT: Palaeogene

Eolian deposits  
SN: Consolidated wind-blown deposits
UF: Aeolian deposits
RT: Allochthonous deposits
Clastics
Eolian processes
Eolian transport
Sabbkhas
Sandstone
Terrigenous sediments
Volcanic ash

Eolian dust  
SN: Restrict use to dust of terrigenous origin found in sediments, suspended particulate matter or at sea surface
UF: Aeolian dust
BT: Dust
RT: Cosmic dust
Eolian processes
Eolian transport
Palaeoclimatology
Suspended particulate matter
Terrigenous sediments
Volcanic ash

Eolian processes  
UF: Aeolian processes
RT: Eolian deposits
Eolian dust
Eolian transport
Winds

Eolian transport  
UF: Aeolian transport
BT: Sediment transport
RT: Dust clouds
Eolian deposits
Eolian dust
Eolian processes
Volcanic ash
Wind abrasion
Winds

Eotvos correction  
USE: Gravity corrections

Epeirogeny  
SN: Movements which affect large tracts of the earth's crust
UF: Bathygenesis
Vertical movements (geology)
BT: Tectonics
NT: Subsidence
Uplift
RT: Continents
Crustal adjustment
Crustal shortening
Earth crust
Emergent shorelines
Eustatic changes
Ocean basins
Orogeny
Submerged shorelines
Submergence
Vertical tectonics

Epemeral lakes  
USE: Temporary ponds

Epibenthos  
USE: Benthos

Epibionts  
UF: Epibiota
NT: Epiphytes
Epizoites
RT: Epibiosis

Epibiosis  
BT: Interspecific relationships
RT: Epibions
Epiphytes
Epizoites
Symbiosis

Epibiota  
USE: Epibions
Epicentres
UF: Seismic epicentres
RT: Earthquakes
Seismology

Epidemics
RT: Epidemiology
Infectious diseases
Mortality causes
Pathology
Public health
Quarantine regulations

Epidemiology
RT: Bacteriology
Disease control
Epidemics
Infectious diseases
Parasitology

Epidermis
USE: Skin

Epilimnion
UF: Upper layers (lakes)
RT: Hypolimnion
Metalimnion
Surface layers
Surface water
Thermal stratification
Thermocline
Water column

Epipelagic zone
SN: Waters above 200 m depth
UF: Photic environment
BT: Oceanic province
RT: Littoral zone
Neritic province

Epiphytes
BT: Epibionts
RT: Periphyton
Symbionts

Epipsammic species
USE: Epipsammon

Epipsammon
SN: Organisms living attached to sand grain
UF: Epipsammic species
BT: Aquatic communities
RT: Microorganisms
Psammon
Sand

Epithelia
UF: Endothelium
Epithelium
BT: Tissues
RT: Integumentary system
Skin

Epithelium
USE: Epithelia

Epizoites
BT: Epibionts
RT: Commensalism
Ectoparasites
Epibiosis

Epontic environment
UF: Under-ice environment
RT: Aquatic environment

Epontic organisms
UF: Under-ice organisms
RT: Epontic environment

Epoxy resins
SN: Synthetic resins used for protective coatings and adhesives
RT: Adhesives
Plastic coatings

Equation of continuity
UF: Conservation of volume
BT: Equations
RT: Conservation equations

Equations
NT: Conservation equations
Differential equations
Equation of continuity
Equations of motion
Equations of state
Hydrodynamic equations
Integral equations
Kortweg Devries equation
Laplace equation
Morison's equation
Navier-Stokes equations
Nonlinear equations
Poisson's equation
Tidal equations
RT: Mathematics

Equations of motion
UF: Euler equations of motion
BT: Equations
RT: Hydrostatic equation

Equations of state
BT: Equations
RT: Equation of continuity

Equator
RT: Latitude

Equatorial circulation
SN: Before 1982 search
EQUATORIAL CURRENTS
UF: Equatorial current system
Equatorial currents
RT: Ocean circulation
Equatorial countercurrents
Equatorial dynamics
Equatorial undercurrents
Equatorial upwelling
Monsoon reversal
Tropical oceanography

Equatorial countercurrents
BT: Countercurrents
RT: Equatorial circulation
Equatorial dynamics

Equatorial currents
USE: Equatorial circulation

Equatorial dynamics
RT: Beta-plane
Dynamical oceanography
Equatorial circulation
Equatorial countercurrents
Equatorial trapped waves
Equatorial undercurrents
Equatorial upwelling
Monsoon reversal
Planetary waves
Tropical meteorology
Tropical oceanography

Equatorial easterlies
BT: Trade winds
RT: Easterly waves
Equatorial waves
Equatorial westerlies

Equatorial trapped waves
BT: Kelvin waves
RT: Equatorial dynamics

Equatorial trough
UF: Doldrums
Equatorial calms
BT: Low pressure troughs
RT: Easterly waves
Equatorial westerlies
Interropical convergence zone
Tropical meteorology

Equatorial undercurrents
BT: Undercurrents
RT: Equatorial circulation
Equatorial dynamics

Equatorial upwelling
BT: Upwelling
RT: Equatorial circulation
Equatorial dynamics

Equatorial waves
BT: Water waves
RT: Equatorial easterlies
<table>
<thead>
<tr>
<th>Term</th>
<th>Synonym</th>
<th>Definition/Description</th>
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<tbody>
<tr>
<td>Equatorial westerlies</td>
<td>BT: Westerlies</td>
<td>RT: Equatorial easterlies</td>
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<tr>
<td>Equatorial trough</td>
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<tr>
<td>Equilibrium</td>
<td>NT: Chemical equilibrium</td>
<td>Geostrophic equilibrium</td>
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<td>Thermodynamic equilibrium</td>
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<td>RT: Diffusion</td>
<td>Isotasy</td>
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<td>Stability</td>
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<td>Steady state</td>
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<td>Unsteady state</td>
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<td>Variability</td>
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<tr>
<td>Equilibrium constants</td>
<td>USE: Chemical equilibrium</td>
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<tr>
<td>Equipment</td>
<td>SN: Only for papers in which the description, use, performance, or</td>
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<td></td>
<td>fabrication of equipment is the main topic. Use of a more specific term</td>
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<td>is recommended</td>
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<td></td>
<td>UF: Plant (equipment)</td>
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<td>NT: Acoustic equipment</td>
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<td>Deck equipment</td>
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<td>Deicing equipment</td>
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<td>Laboratory equipment</td>
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<td>Limnological equipment</td>
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<td>Measuring devices</td>
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<td>Mining equipment</td>
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<td>Safety devices</td>
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<td>Salvage equipment</td>
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<td>Surveying equipment</td>
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<td>Transducers</td>
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<td>Underwater equipment</td>
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<td>RT: Calibration</td>
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<td>Components</td>
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<td>Monitoring systems</td>
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<td></td>
<td>USE: Catalogues</td>
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<tr>
<td>Erosion</td>
<td>USE: Bioerosion</td>
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<tr>
<td>Erosion (geology)</td>
<td>USE: Erosion</td>
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<td>Erosion (thermocline)</td>
<td>USE: Thermocline decay</td>
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<td>Erosion control</td>
<td>UF: Erosion prevention</td>
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<td>Erosion protection</td>
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<td></td>
<td>BT: Control</td>
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<td></td>
<td>NT: Pipeline protection</td>
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<td>RT: Dune stabilization</td>
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<td>Soil conservation</td>
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<td>Erosion features</td>
<td>UF: Coastal erosion features</td>
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<td>RT: Deposition features</td>
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<td>Erosion</td>
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<td>Erosion surfaces</td>
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<td>Sedimentary structures</td>
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<td>Topographic features</td>
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<td>Erosion platforms</td>
<td>USE: Wave-cut platforms</td>
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<td>Erosion prevention</td>
<td>USE: Erosion control</td>
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<tr>
<td>Erosion protection</td>
<td>USE: Erosion control</td>
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<td>Erosion surfaces</td>
<td>UF: Planation surfaces</td>
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<td>BT: Surfaces</td>
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<td>RT: Erosion features</td>
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<td>Wave-cut platforms</td>
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<td>Erratics</td>
<td>USE: Glacial erratics</td>
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<tr>
<td>Errors</td>
<td>NT: Analytical errors</td>
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<td>RT: Approximation</td>
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<td>Resolution</td>
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<tr>
<td>Erythrocytes</td>
<td>USE: Red blood cells</td>
<td>Red blood corpuscles</td>
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<tr>
<td></td>
<td>BT: Blood cells</td>
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<tr>
<td></td>
<td>RT: Anaemia</td>
<td>Erythropoiesis</td>
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<td>Erythropoieses</td>
<td>RT: Erythrocytes</td>
<td>Haematology</td>
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<td>Haemopoiesis</td>
<td>Erythropoies</td>
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<tr>
<td>Erytrophores</td>
<td>USE: Chromatophores</td>
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<tr>
<td>Escape of water</td>
<td>USE: Floods</td>
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<tr>
<td>Escapement</td>
<td>USE: Escapement rate</td>
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<tr>
<td></td>
<td>RT: Avoidance reactions</td>
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<td>Survival</td>
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<td></td>
<td>Escapement rate</td>
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<tr>
<td></td>
<td>USE: Escapement</td>
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<tr>
<td>Escarpments</td>
<td>UF: Scars</td>
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</tr>
<tr>
<td></td>
<td>BT: Topographic features</td>
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<tr>
<td></td>
<td>NT: Fault scarp</td>
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<tr>
<td></td>
<td>Submarine scarp</td>
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<tr>
<td></td>
<td>RT: Fracture zones</td>
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<td>Median valleys</td>
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<tr>
<td>Eskers</td>
<td>RT: Glacial features</td>
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<tr>
<td>Esophagus</td>
<td>USE: Oesophagus</td>
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<tr>
<td>Esters</td>
<td>BT: Organic compounds</td>
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<tr>
<td></td>
<td>NT: Phthalate esters</td>
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<td></td>
<td>RT: Lipids</td>
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<tr>
<td>Estimation</td>
<td>USE: Approximation</td>
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<tr>
<td>Estrogens</td>
<td>USE: Sex hormones</td>
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<tr>
<td>Estuaries</td>
<td>BT: Coastal inlets</td>
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<tr>
<td></td>
<td>NT: Partially-mixed estuaries</td>
<td>Salt-wedge estuaries</td>
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<td>RT: Bays</td>
<td>Brackishwater environment</td>
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<td></td>
<td>Brackishwater environment</td>
<td>Estuarine chemistry</td>
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<td>Estuarine dynamics</td>
<td>Estuarine sedimentation</td>
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<td>Estuarine tides</td>
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<td></td>
<td>Fjords</td>
<td>Tidal inlets</td>
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<tr>
<td>Estuarine aquaculture</td>
<td>USE: Brackishwater aquaculture</td>
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<tr>
<td>Erbium</td>
<td>BT: Lanthanides</td>
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</tr>
<tr>
<td>Term</td>
<td>Definition</td>
<td>USE/RT</td>
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<tr>
<td>----------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------</td>
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<tr>
<td><strong>Estuarine chemistry</strong></td>
<td>RT: Chemical limnology, Chemical oceanography, Estuaries</td>
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<tr>
<td><strong>Estuarine circulation</strong></td>
<td>USE: Estuarine dynamics</td>
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<tr>
<td><strong>Estuarine dynamics</strong></td>
<td>SN: Before 1982 search also ESTUARINE CIRCULATION, UF: Estuarine circulation</td>
<td>BT: Shelf dynamics, RT: Bay dynamics, Coastal oceanography, Estuaries</td>
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<tr>
<td><strong>Estuaries</strong></td>
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<tr>
<td><strong>Estuarine fish</strong></td>
<td>USE: Brackishwater fish</td>
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<tr>
<td><strong>Estuarine fisheries</strong></td>
<td>SN: Fisheries in estuaries and coastal lagoons, BT: Fisheries, RT: Artisanal fishing</td>
<td>Brackishwater fish, Coastal fisheries, Estuarine organisms, Finfish fisheries, Marine fisheries, Oyster fisheries, River fisheries</td>
</tr>
<tr>
<td><strong>Estuarine front</strong></td>
<td>USE: Estuarine interface, Freshwater-seawater interface, BT: Oceanic fronts, RT: Estuaries, Estuarine dynamics, River plumes</td>
<td>USE: Estuarine front</td>
</tr>
<tr>
<td><strong>Estuarine molluscs</strong></td>
<td>USE: Brackishwater molluscs</td>
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<tr>
<td><strong>Estuarine organisms</strong></td>
<td>UF: Brackishwater organisms, BT: Aquatic organisms, NT: Brackishwater fish, Brackishwater molluscs, RT: Brackishwater aquaculture</td>
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<tr>
<td><strong>Brackishwater ecology</strong></td>
<td></td>
<td>Estuarine fisheries, Salinity tolerance, Estuarine pollution, USE: Brackishwater pollution</td>
</tr>
<tr>
<td><strong>Euphotic zone</strong></td>
<td>SN: Upper level of ocean region from surface to limit of effective light penetration, UF: Photosynthetic zone, RT: Aphotic zone, Compensation depth, Epipelagic zone, Lenitice environment, Light penetration, Marine environment, Mesopelagic zone</td>
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<tr>
<td><strong>Estuarine sedimentation</strong></td>
<td>BT: Sedimentation, RT: Estuaries, Intertidal sedimentation, Sedimentary environments, Tidal deposits, Tidal flats</td>
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<tr>
<td><strong>Estuarine tides</strong></td>
<td>BT: Tides, RT: Estuaries, Estuarine dynamics, Shallow water tides</td>
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<tr>
<td><strong>Ethane</strong></td>
<td>BT: Acyclic hydrocarbons</td>
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<td><strong>Ethene</strong></td>
<td>UF: Ethylene, BT: Alkenes</td>
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<tr>
<td><strong>Ethylene</strong></td>
<td>USE: Ethene, BT: Alkenes</td>
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<td><strong>Ethynol</strong></td>
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<td><strong>Etiology</strong></td>
<td>USE: Aetiology</td>
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<td><strong>Euler equations of motion</strong></td>
<td>USE: Equations of motion</td>
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<tr>
<td><strong>Eulerian current measurement</strong></td>
<td>SN: Before 1982 search also EULERIAN METHODS (CURRENT MEASUREMENT), UF: Eulerian methods (current measurement), BT: Current measurement, RT: Acoustic current meters</td>
<td>Eulerian current measurement, USE: Eulerian current measurement</td>
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<td><strong>Eulittoral zone</strong></td>
<td>BT: Littoral zone, RT: Intertidal environment</td>
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<td><strong>Eutrophication</strong></td>
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<tr>
<td><strong>Eutrophic lakes</strong></td>
<td>BT: Lakes, RT: Dystrophic lakes, Eutrophic waters, Eutrophic lakes</td>
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</table>
Eutrophic waters
RT: Brackishwater environment
Eutrophic lakes
Eutrophication
Inland water environment
Marine environment

Eutrophication
SN: The continuing process of increasing fertility of water
RT: Dissolved oxygen
Eutrophic lakes
Eutrophic waters
Hypertrophy
Nutrients (mineral)
Pollution effects
Primary production
Water properties
Water quality

Evacuation
RT: Emergencies
Safety regulations

Evaluation
UF: Appraisal
NT: Performance assessment
Site selection
RT: Acceptability
Certification
Feasibility
Reliability

Evaporation
BT: Vaporization
NT: Evapotranspiration
RT: Ablation
Air temperature
Air-ice interface
Air-water exchanges
Air-water interface
Bowen ratio
Condensation
Dehydration
Desalination
Desiccation
Diffusion
Drying
Heat budget
Heat exchange
Moisture
Moisture transfer
Saturation
Sublimation
Surface water
Transpiration
Water budget
Water properties
Water quality

Evaporation control
USE: Evaporation reduction

Evaporation fog
USE: Fog

Evaporation ponds
USE: Evaporation tanks

Evaporation reduction
UF: Evaporation control
BT: Damping
RT: Water conservation

Evaporation tanks
UF: Evaporation ponds
BT: Tanks

Evaporites
BT: Authigenic minerals
RT: Anhydrite
Borate minerals
Chemical sediments
Dolomite
Gypsum
Halite
Sabbkhas
Salt deposits
Sedimentary rocks
Sodium chloride

Evapotranspiration
SN: Loss of water vapour from soil surface and vegetation combined
BT: Evaporation
Transpiration
RT: Environmental effects
Water balance
Water content

Evisceration
USE: Gutting

Evolution
SN: Use of a more specific term is recommended
UF: Bioevolution
Convergent evolution
Evolution (organisms)
BT: Biological phenomena
RT: Biogenesis
Biogeny
Biological speciation
Bioselection
Degeneration
Genetics
Morphogenesis
Mutations
New genera
New species
Phylogenetics
Protists
Sibling species

Evolution (atmosphere)
USE: Atmosphere evolution

Evolution (organisms)
USE: Evolution

Evolution (seawater)
USE: Seawater evolution

Evolutionary retrogression
USE: Degeneration

Examinations
USE: Inspection

Excavation underwater
UF: Underwater excavation
RT: Dredging

Excess Capacity
SN: Capability to harvest more than is actually being harvested using same stock of inputs (capital).
BT: Fishing capacity

Exchange capacity
UF: Cation exchange capacity
RT: Adsorption
Cations
Dissolution
Ions
Solutions

Exchange coefficients
UF: Austausch coefficients
Eddy coefficients
BT: Coefficients
NT: Diffusion coefficients
Viscosity coefficients
RT: Eddy flux
Mixing length

Exclusive economic zone
UF: EEZ
Exclusive fishery zone
Exclusive fishing zone
Fishing zone
BT: Ocean space
RT: Allocation systems
Coastal states
Contiguous zones
Fishery boundaries
Fishery protection
Fishery regulations
Fishing rights
Foreign fishing
Illegal fishing
Shared stocks
Territorial waters
Underwater exploitation

Exclusive fishery zone
USE: Exclusive economic zone

Exclusive fishing rights
USE: Fishing rights

Exclusive fishing zone
USE: Exclusive economic zone

Exclusive rights
BT: Rights
RT: Fishing rights
Water rights
ASFA THESAURUS

Excretion
NT: Defaecation
RT: Bioaccumulation
Excretory organs
Excretory products
Gastric evacuation
Secretion

Excretory organs
BT: Animal organs
NT: Kidneys
Spleen
RT: Bladders
Excretion
Excretory products

Excretory products
NT: Faecal pellets
Urine
RT: Digestion
Excretion
Excretory organs

Exhibitions
UF: Trade shows
RT: Conferences
Museums

Exocrine glands
BT: Glands
NT: Digestive glands
RT: Mucins
Mucus

Exophthalmia
SN: Protruding of fish eyeballs as a result of accumulation of fluid or gases at the back of the eye socket
UF: Popeye
BT: Symptoms
RT: Bubble disease

Exoskeleton
BT: Skeleton
NT: Carapace
Cuticles
Scales
RT: Bony fins
Chitin
Shells

Expeditions
SN: Use only for international projects involving simultaneous surveys of land, sea and air, e.g. IGY. For oceanographic surveys use narrower term. Before 1982 search also CRUISES
NT: Cruises
Multiship expeditions
RT: Expedition reports
Exploration
Surveys

Expeditions (multiship)
USE: Multiship expeditions

Exploitation
UF: Commercial exploitation
Explotation rate
Resource exploitation
NT: Underwater exploitation
RT: Multiple use of resources
Resource availability
Resource development

Exploitation (minerals)
USE: Mining

Exploitation (oil and gas)
USE: Oil and gas production

Exploitation rate
USE: Exploitation

Exploration
SN: Use of a specific term is recommended
NT: Geographical exploration
Geophysical exploration
Polar exploration
Resource exploration
Underwater exploration
RT: Expeditions
Exploration rights
Surveys

Exploration rights
BT: Rights
RT: Exploration

Exploratory behaviour
BT: Behaviour

Exploratory drilling
USE: Oil and gas exploration

Exploratory fishing
BT: Fishing
RT: Experimental fishing
Stock assessment

Exploratory mining
USE: Mineral exploration

Explosions
NT: Nuclear explosions
Underwater explosions
RT: Blasting
Explosives
Fire
Implosions

Expert systems
USE: Artificial intelligence

Experts
SN: Restricted to professionals involved with aquatic sciences and technology
UF: Professionals
Specialists
BT: Personnel
NT: Engineers
Technicians
RT: Consultants
Scientific personnel

Experimental culture
UF: Pilot-scale culture
RT: Aquaculture development
Cultures
Experimental research
Feeding experiments
Laboratory culture

Experimental data
BT: Data
RT: Experimental research

Experimental fisheries
USE: Experimental fishing

Experimental fishing
UF: Experimental fisheries
Test fishing
BT: Fishing
RT: Catching methods
Exploratory fishing
Fishing technology
Gear research

Experimental rearing
USE: Rearing

Experimental research
SN: Research done in experimental or laboratory conditions. Used only as a qualifier
UF: Laboratory research
Research (experimental)
BT: Research
RT: Controlled conditions
Experimental culture
Experimental data

Expulsion reports
SN: Final published reports containing results etc. of both cruises and multiship expeditions
BT: Documents
RT: Atlases
Cruise reports
Expeditions
Historical account

Expedition stations
USE: Cruise stations
**Explosive fishing**
SN: Handling of explosives for capture of aquatic animals, mainly fish  
BT: Catching methods  
RT: Stupefying methods  

**Explosive welding**  
USE: **Welding**

**Explosives**  
BT: Hazardous materials  
NT: Shaped charges  
RT: Blasting  
Detonators  
Explosions  

**Exports**  
USE: **Trade**

**Exposed environment**  
USE: **Exposed habitats**

**Exposed habitats**  
UF: Exposed environment  
BT: Habitat  
RT: Exposure tolerance  
Intertidal environment  
Sheltered habitats  

**Exposure to air**  
USE: **Air exposure**

**Exposure tolerance**  
BT: Tolerance  
RT: Air exposure  
Exposed habitats  
Sheltered habitats  

**Extended jurisdiction**  
UF: Extraterritoriality  
BT: Jurisdiction  
RT: Coastal states  
Fishing rights  
Ocean space  

**Extension activities**  
SN: Organized communication efforts to spread information and/or bring about changes in the knowledge, attitudes, skills and/or behaviour of a client population  
UF: Outreach  
Public outreach  
RT: Education  
Technology transfer  
Training  

**Extensive aquaculture**  
USE: **Extensive culture**

**Extensive culture**  
UF: Extensive aquaculture  
BT: Aquaculture techniques  
RT: Brackishwater aquaculture  
Fish culture  
Freshwater aquaculture  
Pond culture  
Valliculture  

**External anatomy**  
USE: **Organism morphology**

**External fertilization**  
USE: **Biological fertilization**

**Exteroceptors**  
USE: **Receptors**

**Extinction coefficient**
SN: Before 1982 search  
UF: Attenuation coefficient  
BT: Optical properties  
RT: Absorption coefficient  
Attenuance  
Light absorption  
Light attenuation  
Water transparency  

**Extinction of species**  
USE: **Species extinction**

**Extracellular**  
RT: Cells  

**Extraction (animal oil)**  
USE: **Animal oil extraction**

**Extraction (chemical)**  
USE: **Chemical extraction**

**Extraction (salts)**  
USE: **Desalination**

**Extraterrestrial interactions**  
USE: **Solar-terrestrial activity**

**Extraterrestrial material**  
SN: Material of cosmic origin found in sediments  
UF: Tekites  
NT: Cosmic dust  
Cosmic spherules  
RT: Allochthonous deposits  

**Extraterritoriality**  
USE: Extended jurisdiction  

**Extreme values**  
SN: Use with property or phenomena  
UF: Extremes  
NT: Annual range  
RT: Astronomical tides  
Extreme waves  

**Extreme waves**  
RT: Extreme values  
Surface water waves  
Wave height  

**Extremes**  
USE: **Extreme values**

**Eyes**  
BT: Photoreceptors  
NT: Compound eyes  
Eyestalks  

**Facies**  
NT: Biofacies  
Lithofacies  
Metamorphic facies  
Sedimentary facies  
Shelf facies  

**Facsimile transmission**  
BT: Data transmission  

**Factory ships**  
BT: Support ships  
RT: Fishery industry equipment  
Fishery industry plants  
Fishing vessels  
High seas fisheries  
Work platforms  

**FADs**  
USE: **Fish aggregating devices**

**Faecal pellets**  
UF: Fecal pellets  
BT: Excretory products  
RT: Defaecation  

**Failures**  
SN: Significant result of damage, defects or deterioration  
RT: Damage  
Defects  
Deterioration  
Reliability  
Scouring  
Settlement (structural)  

**Fairings**  
RT: Cables  
Fall  
USE: **Autumn**  

**Falling gear**  
USE: **Cast nets**
Fatigue (materials)
SN: Before 1982 search STRESS
NT: Metal fatigue
RT: Corrosion
Cyclic loading
Deterioration
Stress (mechanics)
Stress corrosion

Fats
BT: Lipids
RT: Bile
Fatty acids
Organic constituents

Fault escarpments
USE: Fault scarp

Fault scarp
UF: Fault escarpments
BT: Escarpments
RT: Cliffs
Faults
Submarine scarp

Fault zones
RT: Faults
Fracture zones
Rift valleys
Rift zones
Rifting
Shear zone

Faults
UF: Faults (geology)
BT: Geological structures
NT: Strike-slip faults
Thrust faults
Transform faults
RT: Fault scarp
Fault zones
Graben
Rift valleys
Rock deformation

Faults (defects)
USE: Defect

Fauna
NT: Aquatic animals
BT: Biota
RT: Fauna

Feasibility
SN: More specific term is recommended. Before 1995 search also FEASIBILITY STUDIES
UF: Feasibility studies
NT: Economic feasibility
Technical feasibility
RT: Evaluation
Production cost
Risks

Feasibility studies
USE: Feasibility

Feathers
UF: Contour feathers
Filoplumes
Plumulac
BT: Integumentary system
RT: Aquatic birds

Fecal pellets
USE: Faecal pellets

Fecundity
SN: An organism's capacity to produce offspring
UF: Egg production
Fertility (reproductive)
Natality
BT: Biological properties
RT: Brood stocks
Eggs
Ovaries
Sexual maturity
Sperm
Testes

Federal governments
USE: Governments

Federal jurisdiction
USE: Jurisdiction

Fee fishing
SN: An enterprise in which catchable organisms are stocked into ponds or lakes and customers pay for the privilege of fishing
BT: Fishing
RT: Sport fishing

Feed
SN: Substances used for animal feeding by man
UF: Animal feed
Artificial feed
BT: Livestock food
NT: Pellet feeds
RT: Feed efficiency
Feed preparation
Feeding
Feeding experiments
Feed composition
SN: Constituents and chemical composition of artificial feeds
BT: Chemical composition
RT: Artificial feeding
Dietary deficiencies
Feed efficiency
Feed preparation
Feeding experiments

Feed conversion rate
USE: Feed efficiency

Feed efficiency
UF: Feed conversion rate
RT: Conversion factors
Diets
Feed
Feed composition
Feeding experiments
Nutritive value

Feed preparation
RT: Feed
Feed composition
Feeding equipment
Feeding experiments

Feeding
NT: Artificial feeding
RT: Activity patterns
Feed
Feeding behaviour
Feeding equipment
Feeding migrations
Food conversion
Nutrition

Feeding behaviour
BT: Behaviour
NT: Cannibalism
Foraging behaviour
Grazing
RT: Feeding
Feeding migrations
Food chains
Food preferences
Heterotrophic organisms
Predation
Schooling behaviour
Trophic levels
Trophodynamic cycle

Feeding equipment
BT: Equipment
RT: Aquaculture equipment
Feed preparation
Feeding

Feeding experiments
RT: Artificial feeding
Dietary deficiencies
Experimental culture
Feed
Feed composition
Feed efficiency
Feed preparation
Nutritional requirements

Feeding ground
USE: Nursery grounds

Feeding migrations
BT: Migrations
RT: Feeding
Feeding behaviour
Oceanodromous migrations

Feldspars
BT: Silicate minerals
NT: Orthoclase
Plagioclase

Fellowships
UF: Scholarships
RT: Education
Grants
Research programmes

Females
BT: Sex
NT: Women
RT: Males

Feenders
RT: Ship mooring systems

Fermentation
BT: Chemical reactions
RT: Anaerobic bacteria
Enzymes
Fermented products
Yeasts

Fermented fish paste
USE: Fermented products

Fermented fish sauce
USE: Fermented products

Fermented products
SN: Before 1982 search CURED PRODUCTS
UF: Fermented fish paste
Fermented fish sauce
BT: Processed fishery products
RT: Fermentation
Minced products

Ferric compounds
USE: Iron compounds

Ferrous alloys
BT: Alloys
NT: Steel
Ferrous compounds
USE: Iron compounds

Ferruginous deposits
BT: Chemical sediments
RT: Ironstone

Ferry terminals
UF: Container ports
BT: Harbours

Fertility
SN: Restricted to environmental quality
RT: Biological production
Fertility (reproductive)
USE: Fecundity
Fertility vitamin
USE: Vitamin E
Fertilization (biological)
USE: Biological fertilization

Fertilizers
SN: Products used for artificial fertilization of soils or aquatic environment
NT: Chemical fertilizers
Organic fertilizers
RT: Habitat improvement (fertilization)
Nutrients (mineral)

Festschriften
USE: Collected papers

Fetch
UF: Wave fetch
RT: Wave parameters

Wind wave generation
Wind wave parameters
Winds

Fetus
USE: Foetus

Fiber glass
USE: Fibre glass

Fiber optics
USE: Fibre optics

Fiber rope (natural)
USE: Fibre rope (natural)

Fiber rope (synthetic)
USE: Fibre rope (synthetic)

Fibre glass
USE: Fibre glass

Fibre optics
USE: Fibre optics

Fibre rope (natural)
USE: Fibre rope (natural)

Fibre rope (synthetic)
USE: Fibre rope (synthetic)

Films
SN: Use only for cinema films
BT: Audiovisual materials
RT: Filmstrips
Photography
Videotape recordings

Films (surface)
USE: Surface films

Filmstrips
UF: Film strips
BT: Audiovisual materials
RT: Films
Slides (photographic)

Filipilums
USE: Feathers

Filter feeders
UF: Suspension feeders
BT: Heterotrophic organisms
RT: Bacteria
Detritus
Lophophores
Nannoplankton
Plankton feeders

Filters
SN: Use of a more specific term is recommended
NT: Biofilters
Kalman filters
Optical filters
Water filters
RT: Filtration

Filtration
NT: Bacterial filtration
Water filtration
RT: Filters
Screening

Filtration (water)
USE: Water filtration

Fin ray counts
BT: Meristic counts
RT: Fins

Fin rays
USE: Fins

Fin spines
USE: Fins

Financial institutions
UF: Banks (financial)
Institutions (financial)
BT: Organizations
RT: Financial resources
Financing

Financial management
UF: Business management
Credit management
Investment management

Financial means
USE: Financial resources

Financial resources
UF: Capital resources
Financial means
BT: Resources
RT: Financial institutions
Financial management
Financing

Financing
UF: Fishery credit
Funding
RT: Financial institutions
Financial management
Financing

Fine structure (biology)
USE: Ultrastructure

Fine structure (ocean)
USE: Finestructure

Finestructure
SN: Variations in the vertical distribution of temperature, salinity and velocity with layer scales ranging from 1-100 cm
UF: Fine structure (ocean)
Fine structure (ocean)
BT: Spatial variations
RT: CTD observations
CTD profilers
Microstructure
Vertical profiles

Finestructure (biology)
USE: Ultrastructure

Finestructure (ocean)
USE: Finestructure

Finfish fisheries
BT: Fisheries
NT: Clupeoid fisheries
Flatfish fisheries
Gadoid fisheries
Mackerel fisheries
Mullet fisheries
Percoid fisheries
Redfish fisheries
Salmon fisheries
Shark fisheries
Tuna fisheries
RT: Demersal fisheries
Estuarine fisheries
Marine fisheries
Pelagic fisheries

Fillets (fish)
USE: Fish fillets

Filleting
BT: Fish handling
RT: Fish fillets

Film strips
USE: Filmstrips

Fields
SN: Use of a specific term is recommended
NT: Baroclinic field
Barotropic field
Density field
Electric fields
Gravity field
Hydrothermal fields
Ice fields
Light fields
Pressure field
Temperature fields

Fillets (fish)
USE: Fish fillets

Filleting
BT: Fish handling
RT: Fish fillets

Film strips
USE: Filmstrips
Finfish nutrition
USE: Animal nutrition

Finger bars
USE: Transverse bars

Fingerlings
BT: Fish larvae
RT: Fry
Seed (aquaculture)

Fingerprinting

Finite amplitude waves
BT: Nonlinear waves

Finite difference method
BT: Numerical analysis
RT: Approximation

Finite element method
BT: Numerical analysis
RT: Boundary value problems
Differential equations
Functional analysis

Fins
UF: Fin rays
Fin spines
BT: Locomotory appendages
NT: Bony fins
RT: Fin ray counts
Swimming

Fiord dynamics
USE: Fjord dynamics

Fiords
USE: Fjords

Fire
RT: Blowouts
Damage
Explosions
Fire fighting
Fire hazards
Fire prevention
Ship losses
Smoke

Fire control
USE: Fire fighting

Fire extinguishers
UF: Chemicals (fire fighting)
RT: Fire fighting
Safety devices

Fire fighting
UF: Fire control
RT: Emergency vessels
Fire
Fire extinguishers

Fire hazards
BT: Hazards
RT: Blowouts
Fire
Fire prevention
Oil spills

Fire prevention
UF: Fire protection
Fire safety
RT: Fire
Fire hazards
Safety regulations

Fire protection
USE: Fire prevention

Fire safety
USE: Fire prevention

Fish
SN: Use of a more specific term is recommended. Used only for general papers dealing with fish of all kinds; always use taxonomic name where given
UF: Fish species
Fishes
Ichthyofauna
BT: Aquatic animals
NT: Air breathing fish

Fish catch statistics
SN: Catch tabulation of fish by number or weight
BT: Catch statistics
RT: By catch
Fish conversion factors

Fish consumption
UF: Fish consumption statistics
RT: Food fish
Human food

Fish consumption statistics
USE: Fish consumption

Fish conversion
USE: Fish handling

Fish conversion factors
BT: Population factors
RT: Fish catch statistics

Fish counters
UF: Echo counting systems
Fish counting devices
BT: Counters
RT: Acoustic equipment
Echo integrators

Fish counting devices
USE: Fish counters

Fish culture
SN: Methods and techniques for fish culture
UF: Fish farms
Grouper culture
Milkfish culture
Pisciculture
Sea bass culture
Tilapia culture
BT: Cultures
NT: Bait culture
RT: Agropisciculture
Aquarium culture
Brackishwater aquaculture
Cage culture
Extensive culture
Fish
Freshwater aquaculture
Hybrid culture
Intensive culture
Marine aquaculture
Monoculture
Monosex culture
Polyculture
Pond culture
Raceway culture
Rice field aquaculture
Silo culture
Thermal aquaculture
Wastewater aquaculture

Fish culture diseases
USE: Husbandry diseases
Fish culture economics
USE: Aquaculture economics

Fish detection
UF: Fish location
BT: Detection
RT: Fishing
Sonar detection
Target strength

Fish diseases
UF: Shellfish diseases
Tilapia diseases
BT: Animal diseases
NT: Boil disease
Bubble disease
Gill disease
Peduncle disease
Redmouth disease
Sunburn
Ulcereative dermal necrosis
Vibriosis
Whirling disease
RT: Fish
Fish kill
Fish physiology
Husbandry diseases
Parasitic diseases
Protozoan diseases
Septicaemia
Tuberculosis
Viral diseases

Fish location
USE: Fish detection

Fish meal
SN: Before 1982 search
POWDERED PRODUCTS
BT: Powdered products
NT: Fish flour
RT: Fish meal processing
Fish wastes
Organic fertilizers

Fish meal processing
BT: Processing fishery products
RT: Fish meal

Fish mince
USE: Minced products

Fish nutrition
USE: Animal nutrition

Fish oil extraction
BT: Animal oil extraction
RT: Fish oils

Fish oils
SN: Oils extracted from fish, fish liver, fish wastes and marine mammals
UF: Oils (fish)
Sperm oils
BT: Processed fishery products
RT: Byproducts
Fish oil extraction
Fish wastes
Stickwater

Fish paste
USE: Minced products

Fish pathology
USE: Pathology

Fish physiology
SN: Before 1982 search PHYSIOLOGY
UF: Physiology (fish)
BT: Animal physiology
RT: Fish
Fish diseases
Ichthyology
Fish plants
USE: Fishery industry plants

Fish poisoning
SN: Capture of fish or other aquatic animals by use of poisons of different origin
UF: Poison fishing
Poisoning
Shellfish poisoning (catching method)
BT: Catching methods
RT: Fish
Stupefying methods

Fish flakes
BT: Fillets (fish)
Ichthyoplankton

Fish fillets
USE: Fish culture

Fish flour
SN: Fish meal prepared for human consumption. Before 1982 search POWDERED PRODUCTS
UF: Fish protein concentrate
BT: Fish meal
Fish food organisms
USE: Food organisms

Fish freshness
USE: Quality control

Fish fry collection
USE: Seed collection

Fish furunculosis
USE: Boil disease

Fish glue
SN: Gelatinous liquid glue from fish waste
BT: Adhesives
Processed fishery products
RT: Fish wastes

Fish grading
USE: Grading

Fish handling
UF: Fish conversion
Unloading
BT: Handling
NT: Dressing
Filletting
Heading
RT: Fish
Processing fishery products

Fish hooks
USE: Hooks

Fish impingement
USE: Impingement

Fish inspection
SN: Monitoring of fish and fishery products quality control
BT: Inspection
RT: Fish
Fish inspection regulations
Fishery products

Fish inspection regulations
BT: Commercial legislation
RT: Codex standards
Fish inspection

Fish kill
SN: Excessive or conspicuous mortalities of fish due to several causes
UF: Mass mortality
NT: Winterkill
RT: Fish
Fish diseases
Mass extinctions
Mortality causes

Fish larvae
UF: Ammocetes
Leptocephalus
BT: Larvae
NT: Fingerlings
Fry
RT: Fish eggs
Ichthyoplankton
Fish pond culture
USE: Pond culture

Fish ponds
UF: Farm ponds
BT: Ponds
NT: Breeding ponds
Growing ponds
Stocking ponds
RT: Aquaculture facilities
Enclosures
Hatcheries
Pond culture
Small scale aquaculture

Fish prices
USE: Pricing

Fish products
USE: Fishery products

Fish protein concentrate
USE: Fish flour

Fish pumps
SN: Used for unloading small fish. Before 1982 search
HARVESTING MACHINES
BT: Pumps
RT: Harvesting machines

Fish rearing ponds
USE: Nursery ponds

Fish repellents
UF: Shark repellents
BT: Repellents
RT: Fish

Fish resources
USE: Fishery resources

Fish roe
USE: Roes

Fish sausage
USE: Processed fishery products

Fish scales
USE: Scales

Fish scientists
USE: Ichthyologists

Fish screens
USE: Screens

Fish seed
USE: Seed (aquaculture)

Fish silage
UF: Liquid fish products
Silage from fish

Fish sizing
UF: Acoustic sizing techniques
RT: Echo surveys
Target strength

Fish solubles
USE: Stickwater

Fish sounds
USE: Biological noise

Fish species
USE: Fish

Fish spoilage
UF: Spoilage (fish)
RT: Quality control
Shrimp spoilage

Fish stocks
USE: Stocks

Fish storage
SN: Before 1982 search STORAGE
UF: Storage (fish)
BT: Storage
NT: Live storage
RT: Cold storage

Fish tracking
USE: Tracking

Fish traps
USE: Trap nets

Fish utilization
NT: Shark utilization
RT: Fishery products
Processing fishery products

Fish waste utilization
USE: Waste utilization

Fish wastes
BT: Organic wastes
RT: Fish
Fish glue
Fish meal
Fish oils
Stickwater

Fish-cum-chicken culture
USE: Agropisciculture

Fish-cum-duck culture
USE: Agropisciculture

Fish-cum-pig culture
USE: Agropisciculture

Fisheries
UF: Capture fisheries
Commercial fisheries
NT: Bait fisheries
Canoe fisheries
Carangid fisheries
Coastal fisheries
Demersal fisheries
Estuarine fisheries
Finfish fisheries
Inland fisheries
Marine fisheries

Fisheries biology
USE: Fishery biology

Fisheries data
USE: Fishery data

Fisheries hydrography
USE: Fishery oceanography

Fisheries institutions
USE: Fishery institutions

Fishermen
RT: Fishermen statistics
Livelihoods

Fishermen statistics
BT: Fishery statistics
RT: Fishermen

Fishery aid
BT: Aid

Fishery biologists
BT: Biologists
RT: Algologists
Carcinologists
Fishery biology
Ichthyologists
Malacologists
Fishery biology
SN: Scientific complex of different disciplines applied to biological research in fisheries
UF: Fisheries biology
BT: Biology
Fishery sciences
RT: Fishery biologists
Fishery limnology
Fishery oceanography
Hydrobiology
Ichthyology

Fishery boundaries
BT: Boundaries
RT: Contiguous zones
Exclusive economic zone
Fishery disputes

Fishery charts
SN: Charts for use in fishery operations including graphical descriptions of fishing grounds
BT: Maps
RT: Fishery surveys

Fishery conflicts
USE: Fishery disputes

Fishery cooperatives
USE: Cooperatives

Fishery credit
USE: Financing

Fishery data
SN: Restricted to fishery operation data
UF: Fisheries data
BT: Data
RT: Catch statistics
Catch/effort
Fishery statistics
Fishing effort
Fishing power
Fishing time

Fishery development
BT: Resource development
RT: Development projects
Fisheries
Fishery industry
Fishery institutions
Fishery organizations
Fishery policy
Fishery sciences

Fishery disputes
UF: Fishery conflicts
Fishery litigation
BT: Disputes
RT: Fishery boundaries
Fishery policy
Fishery protection
Fishery regulations
Fishing rights
Foreign fishing
Illegal fishing

Fishery economics
SN: Economics of all aspects of fisheries, exploitation, production, processing, marketing, distribution, trade etc.
BT: Economics
Fishery sciences
NT: Aquaculture economics
Capture fishery economics
RT: Fishery management
Fishery policy
Fishery education
USE: Education

Fishery engineering
BT: Engineering
Fishery sciences
RT: Aquaculture engineering
Catching methods
Gear research

Fishery industry
SN: Including any industries of fishery products obtained by handling or processing methods
UF: Fishing industry
Tilapia industry
BT: Industries
RT: Commercial fishing
Fishery development
Fishery industry equipment
Fishery industry legislation
Fishery industry plants
Fishery policy
Fishery products
Packaging fishery products
Processing fishery products

Fishery industry equipment
SN: Industrial equipment used for handling and processing fishery products
BT: Equipment
NT: Fishing gear
RT: Factory ships
Fishery industry
Fishery industry plants
Fishing vessels

Fishery industry legislation
BT: Legislation
RT: Fishery industry

Fishery industry plants
UF: Fish plants
RT: Factory ships
Fishery industry
Fishery industry equipment

Fishery institutions
UF: Fisheries institutions
Fishery research institutions
BT: Research institutions
RT: Fishery development
Fishery organizations
Fishery sciences
Limnological institutions
Oceanographic institutions
Fishery laws
USE: Fishery regulations
Fishery legislation
USE: Fishery regulations

Fishery limnology
BT: Fishery sciences
Limnology
RT: Fishery biology
Freshwater ecology
Lake fisheries

Fishery management
UF: Fisheries management
BT: Resource management
RT: Fisheries
Fishery economics
Fishery policy

Fishery oceanography
SN: Applied investigations on oceanic conditions of fishing regions or grounds
UF: Fisheries hydrography
BT: Fishery sciences
Oceanography
RT: Fishery biology
Hydrography

Fishery organizations
UF: Fisheries organizations
BT: Organizations
RT: Cooperatives
Fishery development
Fishery institutions
Fishery policy
Fishery regulations

Fishery policy
UF: Fishing policy
BT: Policies
RT: Allocation systems
Fishery development
Fishery disputes
Fishery economics
Fishery industry
Fishery management
Fishery organizations
Fishery protection
Fishery regulations
Fishing rights
Foreign fishing
Fishery products
UF: Fish products
Primary fishery products
Seafood products
BT: Products
NT: Processed fishery products
Sashimi
RT: Aquaculture products
Fish inspection
Fish utilization
Fishery industry
Packaging fishery products
Fishery products statistics
USE: Industrial products statistics
Fishery protection
SN: Measures against illegal fishing by foreign vessels in EEZ, territorial waters or protected fisheries
BT: Protection
RT: Exclusive economic zone
Fishery disputes
Fishery policy
Fishery regulations
Fishing rights
Foreign fishing
Illegal fishing
Protection vessels
Surveillance and enforcement
Fishery protection vessels
USE: Protection vessels
Fishery regulations
SN: Regulations on national rights to fisheries and legislative management of fisheries resources
UF: Fisheries regulations
Fishery laws
Fishery legislation
BT: Legislation
NT: Mesh regulations
Moratoria
Quota regulations
Season regulations
Size-limit regulations
Whaling regulations
RT: Exclusive economic zone
Fishery disputes
Fishery organizations
Fishery policy
Fishery protection
Fishing rights
Maritime legislation
Fishery research institutions
USE: Fishery institutions
Fishery resources
UF: Fish resources
Fisheries resources
BT: Living resources
RT: Aquatic animals
Aquatic plants
Fisheries
Fishery surveys
Stocks
Fishery sciences
UF: Fisheries sciences
Primary fishery products
Seafood products
BT: Products
NT: Processed fishery products
Sashimi
RT: Aquaculture products
Fish inspection
Fish utilization
Fishery industry
Packaging fishery products
Fishery protection
SN: Before 1982 search
BARRIERS
UF: Barrier nets
Barriers (fishing)
BT: Barriers
RT: Coastal fisheries
Lagoon fisheries
Fishery protection vessels
USE: Fishing vessels
Fishery surveys
BT: Surveys
RT: Aerial surveys
Echo surveys
Fishery charts
Fishery resources
Ichthyoplankton surveys
Stock assessment
Fishery surveys
USE: Fishing effort
Fishery technology
SN: Scientific research and industrial techniques applied to fishery industry
BT: Technology
RT: Catching methods
Fishery sciences
Fishing technology
Fished
USE: Fish
Fishing
SN: Use of a more specific term is recommended; consult terms listed below. Before 1995 search also FISHING OPERATIONS
UF: Fishing operations
NT: Artisanal fishing
Bait fishing
Commercial fishing
Experimental fishing
Exploratory fishing
Fishing bait
USE: Fishing gear
Fishing equipment
USE: Fishing vessels
Fishing effort
UF: Fishing effort statistics
Fishing intensity
RT: Catch statistics
Catch/effort
Fishery data
Fishing power
Fishing time
Fishing effort statistics
USE: Fishing effort
Fishing equipment
USE: Fishing gear
Fishing fleet
USE: Fishing vessels
Fishing gear
SN: Technical description of gear used mainly for commercial fishing purposes
UF: Fishing equipment
BT: Fishery industry equipment
NT: Dredges
Electrified gear
Fishing nets
Grappling gear
Harvesting machines
Lines
Pots
Wounding gear
RT: Catching methods
Fishing
Fishing buoys
Fishing power
Fishing vessels
Gear construction
Gear materials
Gear research
Gear selectivity
Winches
Fishing grounds
RT: Fisheries
Fishing
Fishing rights
Spawning grounds
Submarine banks
Fishing harbours
BT: Harbours
Fishing industry
USE: Fishery industry
Fishing injuries
USE: Injuries
Fishing intensity
USE: Fishing effort
Fishing licenses
USE: Fishing rights
Fishing methods
USE: Catching methods
Fishing mortality
UF: Fishing mortality coefficient
BT: Mortality
RT: Overfishing
Total mortality
Vulnerability
Yield
Fishing mortality coefficient
USE: Fishing mortality
Fishing nets
BT: Fishing gear
Nets
NT: Cast nets
Entangling nets
Gillnets
Lift-nets
Seine nets
Surrounding nets
Trap nets
Trawl nets
RT: Nektom collecting devices
Net fishing
Plankton collecting devices
Fishing operations
USE: Fishing
Fishing overexploitation
USE: Overfishing
Fishing policy
USE: Fishery policy
Fishing power
RT: Catch/effort
Fishery data
Fishing effort
Fishing gear
Fishing time
Fishing rights
SN: The legal right of fishing in a given place at a given time
UF: Customary fishing rights
Exclusive fishing rights
Fishing licenses
BT: Rights
RT: Contiguous zones
Exclusive economic zone
Exclusive rights
Extended jurisdiction
Fishery disputes
Fishery policy
Fishery regulations
Fishery grounds
Foreign fishing
Teritorial waters
Fishing seasons
USE: Season regulations
Fishing technology
SN: Before 1982 search
CATCHING METHODS
BT: Technology
RT: Catching methods
Experimental fishing
Fishery technology
Fishing
Fishing time
RT: Catch statistics
Fishery data
Fishing effort
Fishing power
Landing statistics
Fishing vessels
UF: Fishing boats
Fishing craft
Fishing fleet
NT: Gilnetters
Liners
Seiners
Trawlers
RT: Factory ships
Fishery industry equipment
Fishing
Fishing gear
Fishery vessels statistics
Mother ships
Support ships
Surface craft
Work platforms
Fishing vessels statistics
SN: Statistical data tabulated by types of vessels and size categories
BT: Fishery statistics
RT: Fishing vessels
Fishing villages
Fishing zone
USE: Exclusive economic zone
Fishways
BT: Guiding devices
RT: Anadromous migrations
Dams
Habitat improvement (physical)
Screens
Water reservoirs
Fission products
UF: Debris (nuclear)
BT: Radioactive materials
RT: Fallout
Isotopes
Nuclear explosions
Fixation
SN: Fixation methods used to kill and preserve aquatic animal and vegetal organisms for laboratory purposes
UF: Conservation (organisms)
Preservation (organisms)
RT: Anaesthetics
Fixatives
Preservatives
Fixatives
UF: Fixing agents
RT: Chemical compounds
Cytology
Fixation
Histology
Fixed platforms
SN: Membered structures, permanently attached to the sea floor, with the working level above water
UF: Fixed structures
BT: Offshore structures
NT: Gravity platforms
Guyed towers
Piled platforms
Tension leg platforms
RT: Mobile platforms
Work platforms
Fixed stations
  BT: Oceanographic stations
  NT: Inshore stations
  Ocean stations
  RT: Monitoring systems
    Standard ocean sections
    Time series

Fixed structures
  USE: Fixed platforms

Fixing agents
  USE: Fixatives

Fixing position
  USE: Position fixing

Fjord dynamics
  SN: Water motion in fjords
  UF: Fiord dynamics
  BT: Shelf dynamics
  RT: Fjords

Fjords
  UF: Fiords
  Fyords
  BT: Coastal inlets
  RT: Drowned valleys
    Estuaries
    Fjord dynamics
    Fossil sea water
    Glacial features
    Inlets (waterways)
    Sill depth
    Silts
    Submerged shorelines

Flagella
  SN: Before 1982 search CILIA
  UF: Flagellum
  RT: Animal appendages
    Cilia
    Locomotory appendages

Flagellum
  USE: Flagella

Flaring
  USE: Gas flaring

Flatfish fisheries
  UF: Flounder fisheries
  Halibut fisheries
  Plaice fisheries
  Sole fisheries
  BT: Finfish fisheries
  RT: Longlining
  Trawling

Flavor
  USE: Taste

Flavour
  USE: Taste

Flavour tests
  USE: Taste tests

Flaw detection
  USE: Nondestructive testing

Flaws
  USE: Defects

Flexibility
  UF: Rigidity
  BT: Mechanical properties
  RT: Deformation
    Elasticity
    Poisson's ratio

Flight behaviour
  UF: Bird flight behaviour
  BT: Behaviour
  RT: Aquatic birds
    Flying

Floating
  RT: Ballast
    Capsizing

Floating barriers
  UF: Booms
  Oil booms
  BT: Barriers

Floating cages
  BT: Cages

Floating hoses
  BT: Hoses
  RT: Loading buoys
    Tanker loading

Floating ice
  BT: Ice
  NT: Fast ice
    Ice islands
    Ice shelves
    Icebergs
    Pack ice
  RT: Ice caps
    Ice jams
    Lake ice
    Leads
    Polynyas
    Sea ice

Floating structures
  BT: Offshore structures
  NT: Mobile platforms
    Pontoon
  RT: Barges
    Buoy systems
    Ice rafts
    Surface craft
    Tension leg platforms

Floating trawls
  USE: Midwater trawls

Floats (buoyancy)
  USE: Buoyancy floats

Floats (current measurement)
  USE: Drifters

Floats (subsurface)
  USE: Subsurface drifters

Flocculation
  BT: Chemical precipitation
  RT: Colloids
    Coprecipitation
    Deflocculation
    Sewage treatment
    Suspended particulate matter
    Suspension

Flood control
  UF: Flood prevention
  BT: Control
  RT: Dams
    Embankments
    Erosion control
    Flood forecasting
    Flood plains
    Floods
    Hydraulic engineering
    River basin management
    Stream flow
    Water management
    Water reservoirs
    Watersheds

Flood currents
  BT: Tidal currents
  RT: High tide
  Tidal cycles

Flood forecasting
  UF: Flood predictions
  BT: Prediction
  RT: Flood control
  Floods

Flood plains
  UF: Floodplains
  BT: Landforms
  RT: Alluvial deposits
    Deltas
    Flood control
    Floods
    Fluvial features
    Fluvial morphology
    Levees
    Plains
    River meanders
    River valleys
    Rivers

Flood predictions
  USE: Flood forecasting

Flood prevention
  USE: Flood control

Flooding
  UF: Intentional inundation
  Inundation
  RT: Floods
    Storm surges
    Tsunamis
    Wave effects
    Wetlands

Flooding (disasters)
  USE: Floods
Flooding (irrigation)
USE: Irrigation

Flooding (disasters)
UF: Escape of water
BT: Weather hazards
RT: Disasters

Flooding
UF: Escape of water
BT: Weather hazards
RT: Disasters

Flooding (disasters)
BT: Weather hazards

Flood control
Flood forecasting
Flood plains
Floods

Flooding
UF: Escape of water
BT: Weather hazards
RT: Disasters

Geological hazards
Storm surges

Tsunamis
Water levels

Floor (ocean)
USE: Ocean floor

Flora
UF: Plants
NT: Aquatic plants
Riparian vegetation
Weeds
RT: Biota
Vegetation cover

Flora
UF: Plants
NT: Aquatic plants
Riparian vegetation
Weeds
RT: Biota
Vegetation cover

Flotation
SN: Including flotation mechanisms
RT: Buoyancy
Coagulation
Displacement
Hydrostatic behaviour
Surface properties
Surface tension
Swim bladder

Flotation
SN: Including flotation mechanisms
RT: Buoyancy
Coagulation
Displacement
Hydrostatic behaviour
Surface properties
Surface tension
Swim bladder

Flotsam
SN: Floating wreckage
UF: Jetsam
RT: Solid impurities
Surface drifters
Wrecks

Flotsam
SN: Floating wreckage
UF: Jetsam
RT: Solid impurities
Surface drifters
Wrecks

Flounder fisheries
USE: Flatfish fisheries

Flow around immersed structure
USE: Flow around objects

Flow around objects
UF: Flow around immersed structure
BT: Fluid flow
RT: Current scouring
Lee eddies
Wave forces

Flow around objects
UF: Flow around immersed structure
BT: Fluid flow
RT: Current scouring
Lee eddies
Wave forces

Flow cytometry

Flow in channels
USE: Channel flow

Flow measurement
SN: Before 1984 search also
FLUID FLOW
MEASUREMENT
BT: Measurement
NT: Current measurement
Turbulence measurement
Wind measurement
RT: Flow measuring equipment
Fluid flow

Flow measuring equipment
BT: Measuring devices
NT: Current measuring equipment
Flowmeters
Wind measuring equipment
RT: Flow measurement
Fluid flow

Flow over surfaces
SN: Use of a more specific term is recommended
BT: Fluid flow
NT: Air flow over land
Air flow over water
RT: Topographic effects

Flow over water surface
USE: Air flow over water

Flow sensors
USE: Flowmeters

Flow structures
BT: Sedimentary structures
RT: Slumping
Turbidity current structures

Flowlines
SN: Pipelines from underwater wellheads to manifolds or riser pipes
BT: Pipelines
RT: Gathering lines
Manifolds
Riser pipes
Wellheads

Flowmeters
UF: Flow sensors
BT: Flow measuring equipment
RT: Anemometers
Channel flow
Current meters
Current sensors
Current velocity
Thermistors
Wind measuring equipment

Fluid dynamics
BT: Dynamics
Fluid mechanics
NT: Aerodynamics
RT: Atmospheric motion
Equation of continuity
Fluid motion
Water motion

Fluid flow
BT: Fluid motion
NT: Ageostrophic flow
Channel flow
Critical flow
Density flow
Flow around objects
Flow over surfaces
Geostrophic flow
Horizontal motion
Hydrothermal flow
Jets
Laminar flow
Multiphase flow
Percolation
Plumes
Potential flow
Shear flow
Stratified flow
Turbulent flow

RT: Flow measurement
Flow measuring equipment
Flows
Froude number
Oscillatory flow
Water currents
Winds

Fluid mechanics
SN: Before 1982 search HYDRODYNAMICS
BT: Mechanics
NT: Fluid dynamics
Hydrodynamics
Hydrostatics
RT: Dynamical oceanography
Fluid motion
Fluids

Fluid motion
SN: Before 1982 search HYDRODYNAMICS
BT: Motion
NT: Baroclinic motion
Barotropic motion
Billows
Fluid flow
Langmuir circulation
Turbulent entrainment
Unidirectional flow
Unsteady flow

RT: Anticyclonic motion
Current meandering
Dynamical oceanography
Fluid dynamics
Fluid mechanics
Meandering
Planetary waves
Residual flow
Rotating fluids
Stream flow
Tidal motion
Vertical motion
Vortices
Water circulation
Water currents
Wave motion

Fluid mud
BT: Mud
RT: Fluidization
Fluidization
BT: Phase changes
NT: Liquefaction
RT: Fluid mud
Fluidized sediment flow
Fluids
Grain flow
Slumping
Fluidized sediment flow
BT: Sediment gravity flows
NT: Liquefied sediment flow
RT: Cohesionless sediments
Fluidization
Pore pressure
Pore water
Fluids
SN: Use of a more specific term is recommended
NT: Body fluids
Drilling fluids
Gases
Liquids
Non-Newtonian fluids
Rotating fluids
RT: Fluid flow
Fluid mechanics
Fluidization
Flumes
BT: Laboratory equipment
RT: Channels
Wave tanks
Fluorescence
BT: Luminescence
RT: Biological properties
Bioluminescence
Fluorescence microscopy
Fluorescence spectrometry
Fluorimeters
Immunofluorescence
Light scattering
Phosphorescence
Fluorescence microscopy
BT: Microscopy
RT: Fluorescence
Radiography
Fluorescence spectrometry
UF: Atomic fluorescence spectrometry
BT: Spectroscopic techniques
RT: Fluorescence
Fluorides
BT: Fluorine compounds
RT: Halides
Fluorimeters
UF: Fluorimeters
RT: Fluorescence
Light measuring instruments
Fluorinated hydrocarbons
BT: Halogenated hydrocarbons
NT: Freons
Fluorine
BT: Halogens
RT: Fluorine compounds
Fluorite
Fluorine compounds
BT: Halogen compounds
NT: Fluorides
RT: Brines
Chloric acid
Chlorine compounds
Chlorinity
Dissolved salts
Fluorine
Organic compounds
Fluorite
BT: Halide minerals
RT: Fluorine
Fluorometers
USE: Fluorimeters
Flushing
RT: Flushing time
Tidal inlets
Flushing time
RT: Estuarine dynamics
Flushing
Lake dynamics
Pollutants
Renewal
Residence time
Flute casts
USE: Current marks
Fluvial deposition features
USE: Fluvial features
Fluvial deposits
RT: Fluvial features
Fluvial sedimentation
Fluvial transport
Fluvial deposits
UF: Fluvial deposition features
RT: Alluvial fans
Bed forms
Channels
Deltas
Deposition features
Flood plains
Fluvial deposits
Fluvial morphology
Levees
River basins
River meanders
River valleys
Rivers
Foams
SN: Including foaming phenomena on the surface of water bodies
RT: Air bubbles
Capillarity
Colloids
Surface chemistry
Whitecaps
Foetus
UF: Fetus
BT: Embryos
RT: Parturition
Placenta
Fluvial morphology
UF: River morphology
BT: Geomorphology
RT: Alluvial deposits
Deltas
Distributaries
Flood plains
Fluvial features
Fluvial transport
River banks
River beds
River engineering
River meanders
River valleys
Rivers
Terraces
Tributaries
Fluvial sedimentation
BT: Sedimentation
RT: Alluvial deposits
Deltaic deposits
Fluvial deposits
Fluvial transport
Rivers
Sedimentary environments
Fluvial transport
BT: Sediment transport
RT: Alluvial deposits
Channel flow
Fluvial deposits
Fluvial morphology
Fluvial sedimentation
River discharge
Rivers
Fly ash
BT: Ashes
RT: Air pollution
Atmospheric particulates
Flyfishing
USE: Sport fishing
Flying
UF: Bird flying
BT: Locomotion
RT: Aquatic birds
Flight behaviour
Flysch
BT: Clastics
RT: Terrigenous sediments
Fog
UF: Advection fog
Arctic sea smoke
Evaporation fog
Mist
Radiation fog
Sea fog
Sea mist
Sea smoke
Steam fog
BT: Clouds
RT: Dew point
Haze
Upwelling
Visibility
Weather

Folds
UF: Folds (geology)
BT: Geological structures
NT: Anticlines
Geosynclines
Nappes
Structural domes
Synclines
RT: Rock deformation

Folds (geology)
USE: Folds

Food
SN: Use of a more specific term is recommended
NT: Human food
Livestock food
RT: Food absorption
Food additives
Food availability
Food composition
Food consumption
Food conversion
Food fish
Food organisms
Starvation

Food availability
BT: Availability
RT: Biotic factors
Biotic pressure
Competition
Environmental factors
Food
Food chains
Food consumption
Food organisms

Food chains
BT: Food webs
RT: Bioenergetics
Decomposers
Feeding behaviour
Food availability
Food organisms
Grazing
Trophic levels
Food colours
USE: Food additives

Food composition
SN: Chemical composition of industrial aquatic products for human and animal consumption
BT: Chemical composition
RT: Food
Food additives
Food conversion
Food technology
Nutritive value

Food consumption
UF: Food consumption rate
RT: Animal nutrition
Bioenergetics
Calories
Digestion
Ecological efficiency
Food
Food availability
Nutritional requirements
Stomach content
Food consumption rate
USE: Food consumption

Food conversion
SN: Efficiency of food conversion by organisms
UF: Assimilation (food)
Conversion efficiency
Food conversion rate
RT: Animal nutrition
Digestion

Food security
SN: Freedom from hunger. The capability to produce an adequate amount of food for all consumers at affordable prices.
UF: Freedom from hunger

Feeding
Food
Food composition
Food conversion rate
USE: Food conversion
Food cycle
USE: Trophodynamic cycle
Food fish
UF: Edible fish
BT: Fish
RT: Fish consumption
Food
Food organisms
Food for human consumption
USE: Human food

Food organisms
UF: Fish food organisms
Live feed
Live food
Natural food
BT: Aquatic organisms
RT: Aquatic insects
Food availability
Food chains
Food fish
Forage fish
Phytoplankton
Zooplankton

Food poisoning
RT: Allergic reactions
Bacteria
Botulism
Food
Microbial contamination
Toxicity

Food preferences
RT: Feeding behaviour
Grazing
Food processing
USE: Food technology

Food requirements
USE: Nutritional requirements

Food resources
SN: For human consumption only
BT: Natural resources
RT: Human food
Living resources
Marine resources
Renewable resources
Unconventional resources

Food security
SN: Freedom from hunger. The capability to produce an adequate amount of food for all consumers at affordable prices.
UF: Freedom from hunger
Food stabilizers
USE: Food additives

Food technology
SN: Restricted to industrial aquatic products for human and animal consumption
UF: Food processing
BT: Technology
RT: Food
Food additives
Food composition
Microbiology
Processing fishery products

Food webs
NT: Food chains
RT: Biological production
Cycles
Ecosystems
Energy flow
Food
Heterotrophic organisms
Trophic relationships
Trophodynamic cycle

Forage fish
SN: The prey of predatory fish
BT: Fish
RT: Food organisms
Forage species

Forage species
SN: Species used as prey by a predator for its food
RT: Forage fish

Foraging behaviour
BT: Feeding behaviour
RT: Grazing

Foraminifera
SN: Used as subject descriptor in ASFA-2 only; in ASFA-1, used as taxonomic descriptor
RT: Foraminiferal ooze
Fossil foraminifera
Micropalaeontology

Foraminiferal ooze
UF: Globigerina ooze
BT: Calcareous ooze
RT: Foraminifera
Fossil foraminifera

Forced convection
BT: Convection
RT: Laminar flow
Prandtl number

Forced oscillations
BT: Oscillations

Forces
NT: Centrifugal force
Centripetal force
RT: Gravitation
Inertia

Forces (mechanics)
NT: Coriolis force
Friction
Gravity
Loads (forces)
Stress (mechanics)

Forearc basins
BT: Structural basins
RT: Active margins
Island arcs
Marginal basins
Ocean basins
Oceanic trenches
Subduction

Forecasting
USE: Prediction
Forecasts
USE: Prediction

Foreign fishing
SN: Refers to commercial fishing by foreign vessels
BT: Commercial fishing
RT: Exclusive economic zone
Fishery disputes
Fishery policy
Fishery protection
Fishing rights

Foreign trade
USE: Trade

Foreset beds
BT: Deltaic features
RT: Deltaic deposits
Deltaic sedimentation

Foreshore
UF: Beach face
BT: Beach features

Forest industry
BT: Industries
RT: Deforestation
Forests

Forests
RT: Deforestation
Forest industry

Form drag
BT: Drag
RT: Bed roughness
Bottom friction

Formulae
RT: Mathematical models

Forward scattering
SN: Forward scattering of sound waves
BT: Sound scattering
RT: Backscatter

Fossil assemblages
RT: Biostratigraphy
Fossils

Fossil diatoms
BT: Vegetal fossils
RT: Diatom ooze

Fossil foraminifera
BT: Animal fossils
RT: Foraminifera
Foraminiferal ooze

Fossil fueled power plants
BT: Power plants
RT: Fossil fuels

Fossil fuels
UF: Fuel resources
BT: Fuels
Subsurface deposits
NT: Coal
Natural gas
Petroleum
RT: Energy resources
Fossil fueled power plants
Hydrocarbons
Nonrenewable resources

Fossil pollen
BT: Vegetal fossils
RT: Palynology
Pollen

Fossil pteropods
BT: Animal fossils
RT: Pteropod ooze

Fossil radiolarians
BT: Animal fossils
RT: Radiolarian ooze

Fossil sea water
BT: Sea water
RT: Fjords
Palaeoceanography
Relict lakes

Fossil spores
BT: Vegetal fossils
RT: Palynology
Spores

Fossilized tracks
BT: Trace fossils

Fossils
NT: Animal fossils
Vegetal fossils
RT: Age determination
Archaeology
Biofacies
Calcification
Fossil assemblages
Living fossils
Palaeoclimate
Palaeocology
Palaeontology
Trace fossils
Foulers
USE: Fouling organisms
Frame surveys
SN: A complete description of the structure of any system to be sampled for collection of statistics. In fisheries, it may include the inventory of ports, landing places, number and type of fishing units (boats and gears), and a description of fishing and landing activity patterns, fish distribution routes, processing and marketing patterns, supply centres for goods and services, etc.
BT: Surveys

Free energy
BT: Thermodynamic properties
RT: Energy
Enthalpy

Free-fall corers
USE: Corers
Free-fall equipment
USE: Free-fall instruments

Free-fall instruments
UF: Free-fall equipment
BT: Instruments
NT: Free-fall profilers
RT: Oceanographic equipment
Free-fall profilers
BT: Free-fall instruments
Profilers
RT: Velocity profilers

Free-swimming vehicles
SN: Underwater vehicles with 3-D manoeuvrability
BT: Underwater vehicles
NT: Tethered free-swimming vehicles
RT: Self-propelled vehicles
Submersibles
Untethered vehicles

Freeze branding
USE: Cold branding

Freeze-dried products
BT: Dried products
RT: Freeze-drying

Freeze-drying
SN: Drying in frozen state; implies water vacuum
BT: Drying
RT: Freeze-dried products

Freezing
BT: Phase changes
RT: Antifreezes
Cooling
Freezing point
Freezing storage
Ice formation
Icing
Melting
Refrigeration
Solidification
Sublimation
Thawing

Freezing point
BT: Transition temperatures
RT: Freezing
Freezing point depressants
USE: Antifreezes

Freezing storage
UF: Cryopreservation
Cryptoprotectants
Frozen storage
BT: Cold storage
RT: Freezing
Frozen products

Freons
BT: Fluorinated hydrocarbons

Frequency
NT: Brunt-Vaisala frequency
High frequency
Low frequency
Resonant frequency
Wave frequency
RT: Dynamic response
Frequency analysis
Frequency spectra
Periodicity

Frequency (time)
USE: Periodicity

Frequency analysis
BT: Statistical analysis
RT: Frequency
Spectral analysis

Frequency spectra
BT: Spectra
RT: Energy spectra
Frequency
Fresh water
SN: Including any type of surface and subsurface waters. Before 1982 search also FRESHWATER
BT: Water
RT: Freshwater aquaculture
Freshwater ecology
Freshwater lakes
Freshwater pollution

Freshwater aquaculture
UF: Inland water aquaculture
BT: Aquaculture
RT: Agropisciculture
Algal culture
Bait culture
Cage culture
Extensive culture
Fish culture
Fresh water
Freshwater fish
Freshwater organisms
Frog culture
Hybrid culture
Monoculture
Prawn culture
Raceway culture
Rice field aquaculture
Shellfish culture
Thermal aquaculture
Freshwater crab culture
USE: Crab culture

Freshwater crustaceans
UF: Crustaceans (freshwater)
BT: Freshwater organisms
Shellfish
RT: Crustacean culture
Crustacean fisheries
Crustacean larvae

Freshwater ecologists
BT: Ecologists
Freshwater scientists
RT: Freshwater ecology

Freshwater ecology
UF: Biological limnology
Limnology (biological)
Stream ecology
BT: Ecology
Freshwater sciences
RT: Aquatic communities
Fishery limnology
Fresh water
Freshwater ecologists
Freshwater organisms
Inland water environment

Freshwater environment
USE: Inland water environment

Freshwater fish
BT: Fish
Freshwater organisms
NT: Coarse fish
RT: Freshwater aquaculture

Herbivorous fish
Inland fisheries
Inland water environment
Potadromous migrations

Freshwater ice
BT: Ice
RT: Glaciers
Lake ice
Land ice

Freshwater lagoons
USE: Inland lagoons

Freshwater lakes
BT: Lakes
RT: Fresh water

Freshwater molluscs
UF: Molluscs (freshwater)
Mollusks (freshwater)
BT: Freshwater organisms
Shellfish
RT: Malacology
Mollusc culture
Mollusc fisheries

Freshwater organisms
BT: Aquatic organisms
NT: Freshwater crustaceans
Freshwater fish
Freshwater molluscs
Freshwater weeds
RT: Freshwater aquaculture
Freshwater ecology

Freshwater parks
SN: Freshwater areas protected against human impact.
BT: Protected areas
RT: Marine parks
Protected resources
Recreational waters
Refuges
Sanctuaries

Freshwater plants
SN: Any microscopic or macroscopic vegetal organism living in the freshwater environment
BT: Aquatic plants
NT: Freshwater weeds

Freshwater pollution
BT: Water pollution
RT: Acid rain
Fresh water
Groundwater pollution

Freshwater sciences
BT: Aquatic sciences
NT: Freshwater ecology
RT: Freshwater scientists
Hydrobiology
Hydrology
Limnology

Freshwater scientists
UF: Limnologists
BT: Scientific personnel
NT: Freshwater ecologists
RT: Freshwater sciences
Limnology

Freshwater sedimentation
USE: Sedimentation

Freshwater springs
USE: Water springs

Freshwater turtles
USE: Aquatic reptiles

Freshwater weeds
UF: Pond weeds
BT: Freshwater organisms
Freshwater plants
Weeds

Freshwater-seawater interface
USE: Estuarine front

Frigation
BT: Forces (mechanics)
NT: Bottom friction
Tidal friction
RT: Drag
Energy dissipation
Roughness
Wear

Fringing reefs
BT: Coral reefs
RT: Barrier reefs

Frog culture
UF: Amphibian culture
Frog farms
BT: Cultures
RT: Agropisciculture
Freshwater aquaculture
Polyculture
Pond culture
Worm culture

Frog farms
USE: Frog culture

Frontal features
SN: Mesoscale features of convergence in atmosphere and oceans
BT: Mesoscale features
RT: Atmospheric fronts
Convergence
Convergence zones
Frontogenesis
Oceanic fronts

Frontiers (national)
USE: International boundaries
Frontogenesis
BT: Interface phenomena
RT: Air masses
Convergence
Frontal features
Fronts
Water masses

Fronts
SN: Use of a more specific term is recommended
NT: Atmospheric fronts
Oceanic fronts
Polar fronts
Saline fronts
Thermal fronts
RT: Convergence zones
Frontogenesis
Interfaces

Fronts (meteorology)
USE: Atmospheric fronts

Frost resistance
USE: Cold resistance

Froude number
RT: Dimensionless numbers
Fluid flow
Inertia
Kinetic energy
Potential energy
Reynolds number

Frozen products
BT: Processed fishery products
RT: Chilled products
Freezing storage
Refrigeration
Thawing

Frozen storage
USE: Freezing storage

Fry
BT: Fish larvae
RT: Fingerlings
Hatching
Seed (aquaculture)
Seed collection

Fucose
BT: Monosaccharides

Fucosterol
BT: Sterols

Fuel economy
SN: Energy saving measures, including equipment and methods
RT: Fuels
Resource conservation

Fuel resources
USE: Fossil fuels

Fuels
UF: Diesel fuels
Heating fuels
Motor fuels
NT: Fossil fuels
Liquefied petroleum gas
RT: Fuel economy
Lubricants

Fulvic acids
BT: Organic acids
RT: Humic acids
Humus

Functional analysis
UF: Laplace transformation
BT: Numerical analysis
NT: Fourier transforms
Harmonic analysis
RT: Finite element method

Functional morphology
BT: Biology
RT: Organism morphology

Funding
USE: Financing

Fungal diseases
UF: Fungous diseases
Fungus diseases
Mycoses
Myotic diseases
BT: Infectious diseases
RT: Fungi
Fungicides
Gill disease
Mycoanalysis
Parasitic diseases

Fungal gill disease
USE: Gill disease
Fungal vaccines
USE: Vaccines

Fungi
SN: In ASFA-1, use as taxonomic descriptor; in ASFA-2, use as subject descriptor
RT: Aquatic plants
Bioerosion
Conidia
Decomposers
Fungal diseases
Fungicides
Microbial contamination
Microbiological analysis
Microbiological culture
Microorganisms
Mycology
Spores

Fungicides
SN: Before 1982 search
PESTICIDES
UF: Antifungals
Stimicides

Fur
USE: Hair

Furans
UF: Furane
Furfuran
Polychlorinated dibenzofurans
BT: Chlorinated hydrocarbons

Furrow (deep-sea)
USE: Deep-sea furrows

Gable force winds
SN: Winds of 28-55 knots
BT: Winds
RT: Beaufort scale
Gusts
Hurricanes

Gadolinium
BT: Lanthanides

Gadoid fisheries
UF: Capelin fisheries
Cod fisheries
Haddock fisheries
Hake fisheries
Pollack fisheries
Whiting fisheries
BT: Finfish fisheries
RT: Trawling

Gadus morhua

Gale force winds
SN: Winds of 28-55 knots
BT: Winds
RT: Beaufort scale
Gusts
Hurricanes

Gazes
USE: Storms

Gill disease
USE: Boil disease

Gill disease
USE: Fungal diseases

Gills
USE: Fungi

Glycolysis

Glycine

Glucose

Glycogen

Glutamate

Glutamine

Glutathione

Glycoproteins

Glycoproteins

Glycocalyx

Glycosylation

Glycosyltransferases

Glycerol

Glyceryl ethers

Glyceryl ethers

Glyceryl ethers

Glycerides

Glycerides

Glycerin

Glycerol

Glycerol

Glycerol

Glyceryl ethers

Glycerol

Glycerol

Glycerol

Glycerol

Glycerol

Glycerol

Glycerol

Glycerol

Glycerol
Gall bladder
BT: Bladders
RT: Bile

Gallium
BT: Heavy metals
RT: Ferromanganese nodules

Game fish
UF: Sport fish
BT: Fish
RT: Sport fishing
Sport fishing statistics

Game theory
BT: Operations research
RT: Mathematical models
Mathematical programming
Numerical analysis
Probability theory
Simulation

Gametes
SN: Before 1995 search SEXUAL CELLS
BT: Sexual cells

Gametogenesis
BT: Morphogenesis
NT: Oogenesis
Spermatogenesis
RT: Sexual maturity

Gametophytes

Gamma radiation
UF: Gamma rays
BT: Electromagnetic radiation
RT: Gamma spectroscopy

Gamma ray transmission
USE: Gamma spectroscopy

Gamma rays
USE: Gamma radiation

Gamma spectroscopy
UF: Gamma ray transmission
BT: Spectroscopic techniques
RT: Gamma radiation
Radioactivity

Gammaglobulins
USE: Globulins

Ganglia
UF: Ganglion
Nerve ganglia
BT: Central nervous system
RT: Brain
Nerves
Nervous tissues

Ganglion
USE: Ganglia

Gangrenes
USE: Necroses

Garbage
USE: Litter

Garnet
BT: Silicate minerals
RT: Placers

Gas
USE: Gases

Gas bladders
USE: Swim bladder

Gas bubble disease
USE: Bubble disease

Gas chromatography
BT: Chromatographic techniques

Gas condensate fields
UF: Condensate fields
BT: Oil and gas fields
RT: Gas condensates

Gas condensates
BT: Petroleum
RT: Gas condensate fields
Natural gas

Gas embolism
USE: Bubble disease

Gas exchange
UF: Gas transfer
RT: Air-water exchanges
Air-water interface
Gases
Sediment-water exchanges

Gas fields
BT: Oil and gas fields
RT: Natural gas

Gas flaring
UF: Flaring
RT: Oil treating
Waste disposal

Gas gathering
USE: Gathering lines

Gas hydrates
UF: Solid gas hydrates
BT: Hydrocarbons
RT: Methane

Gas industry
USE: Oil and gas industry

Gas oil separation
UF: Oil gas separation
BT: Separation
RT: Oil and gas production

Gas processing
SN: For field operations
RT: Liquefied natural gas
Oil and gas production
Separation

Gas production
SN: Pertains to surface equipment and methods used to produce natural gas from underground reservoirs
BT: Oil and gas production
RT: Natural gas

Gas seepages
BT: Seeages
RT: Gas turbation
Natural gas

Gas solubility
BT: Solubility
RT: Gases

Gas terminals
RT: Liquefied petroleum gas
Natural gas
Oil and gas industry
Pipelines
Port installations
Tanker terminals

Gas transfer
USE: Gas exchange

Gas turbation
BT: Sediment mixing
RT: Diagenesis
Gas seepages
Mixing processes
Pock marks

Gas water separation
BT: Separation
Gas well blowouts
USE: Blowouts

Gases
UF: Gas
BT: Fluids
NT: Atmospheric gases
Biogas
Breathing mixtures
Compressed gas
Dissolved gases
Natural gas
Rare gases
RT: Air
Ammonia
Artificial aeration
Gas exchange
Gas solubility
Liquids
Oil-gas interface

Gas-oil interface
USE: Oil-gas interface
Gastric evacuation
RT: Excretion
Stomach content

Gastrointestinal system
USE: Digestive system

Gastropod fisheries
UF: Abalone fisheries
Conch fisheries
Ormer fisheries
Sea snail fisheries
Whelk fisheries
BT: Mollusc fisheries
RT: Marine fisheries
Trap fishing

Gathering lines
UF: Gas gathering
BT: Pipelines
RT: Flowlines

Gauges
BT: Measuring devices
NT: Tide gauges

Gaussian distribution
BT: Distribution
RT: Statistical analysis

Gazetteers
USE: Gazetteers

Gazetteers
SN: Before 1995 search
GAZETEERS
UF: Gazetteers
BT: Documents
RT: Atlases

Gear construction
UF: Cage construction
Net construction
RT: Fishing gear
Gear materials
Gear research

Gear efficiency
USE: Gear selectivity

Gear handling
RT: Davits
Deck equipment
Deployment
Recovery
Winches

Gear materials
SN: Description and different types of synthetic material used in construction of gear, fishing nets, aquaculture equipment
BT: Materials
NT: Netting materials
Yarns

Gene products
RT: Genes

Genealogy
BT: Ecology
RT: Genetic diversity
Genetic drift
Genetics

General circulation (atmospheric)
USE: Atmospheric circulation

General circulation (oceans)
USE: Ocean circulation

Generation (sound waves)
USE: Sound generation

Generation (water waves)
USE: Wave generation

Generators
USE: Electric generators

Genes
BT: Chromosomes
NT: Alleles
RT: DNA
Gene expression
Gene products
Genetics
Genotypes
Mutations

Genetic abnormalities
BT: Abnormalities
RT: Albinism
Genetics
Mutations
Teratogens
Teratology

Genetic diversity
UF: Genetic variation
RT: Biodiversity
Genealogy

Genetic drift
UF: Drift (genetic)
Genetic selection
Seawall wright effect
BT: Bioselection
RT: Genealogy
Genetic isolation
Mutations
Population genetics

Genetic engineering
USE: Biotechnology

Genetic factors
USE: Genomes

Genetic isolation
UF: Isolation (genetics)
BT: Isolating mechanisms
RT: Genetic drift
Genetic markers
SN: A gene or DNA sequence having a known location on a chromosome and associated with a particular gene or trait - can be used in family or population studies.

Genetic polymorphism
USE: Biopolymorphism

Genetic selection
USE: Genetic drift

Genetic variation
USE: Genetic diversity

Genetically Modified Organisms
SN: An organism in which the genetic material has been altered anthropogenically by means of gene or cell technologies
UF: GMOs
Transgenic organisms
RT: Biotechnology
Genetics

Genetics
UF: Heredity
BT: Biology
NT: Cytogenetics
Population genetics
RT: Biological speciation
Breeding
Clones
Evolution
Genecology
Genes
Genetic abnormalities
Genetically Modified Organisms
Genomes
Genotypes
Hybridization
Hybrids
Morphogenesis
Mutagens
Mutations
Nucleic acids
Polyploids
Racial studies
Selective breeding
Sibling species

Genom
USE: Genomes

Genomes
UF: Genetic factors
Genom
RT: Chromosomes
Gene pool
Genetics
Genotypes
Karyotypes
Nuclei
Sexual cells

Genotypes
RT: Genes

Geochemical cycle
BT: Chemical cycles
NT: Biogeochemical cycle
RT: Geochemistry

Geochemical surveys
BT: Surveys
RT: Geochemistry

Geochemistry
UF: Environmental chemistry
BT: Chemistry
NT: Biogeochemistry
Sediment chemistry
RT: Atmosphere evolution
Geochemical cycle
Geochemical surveys
Geological institutions
Geology
Geophysics
Hydrology
Mineralogy
Petroleum
Seawater evolution

Geochronology
USE: Geochronometry

Geochronometry
SN: Measurement of geologic time.
Before 1982 search also GEOCHRONOLOGY and RADIOACTIVE DATING
UF: Age determination (earth sciences)
Dating (earth sciences)
Geochemistry
BT: Measurement
NT: Radiometric dating
RT: Age
Chronometers
Geological time
Stratigraphic correlation
Stratigraphy

Geoclimes
BT: Clines
RT: Geographical distribution

Geodesy
UF: Earth measurement
BT: Geophysics
NT: Coastal geodesy
Marine geodesy
RT: Datum levels
Earth tides
Geodetic coordinates
Geoid
Horizon
Isostasy
Levelling

Mean sea level
Plumbline deflection

Geodetic coordinates
RT: Coordinate systems
Geodesy
Geographical coordinates

Geodynamics
USE: Tectonophysics

Geographic information systems
USE: GIS

Geographical coordinates
NT: Latitude
Longitude
RT: Cartography
Coordinate systems
Geodetic coordinates
Geographical reference systems
Map projections
Marsden squares
Plotting
Position fixing

Geographical distribution
SN: Distributional studies of organisms and abiotic factors in aquatic environment
UF: Spatial distribution
BT: Distribution
NT: Differential distribution
Horizontal distribution
Meridional distribution
Vertical distribution
Zonal distribution
RT: Allopatric populations
Biological charts
Cosmopolitan species
Ecological distribution
Endemic species
Endemism
Geoclines
Geographical isolation
Migrations
Quantitative distribution
Relict species
Sediment distribution
Sympatric populations

Geographical exploration
SN: Geographical discovery - history
BT: Exploration
RT: Polar exploration
Underwater exploration

Geographical isolation
UF: Isolation (geographical)
Spatial isolation
BT: Isolating mechanisms
RT: Geographical distribution

Geographical reference systems
NT: Marsden squares
RT: Geographical coordinates
Geography
NT: Biogeography
Palaeogeography
RT: Cartography
Climatology
Geomorphology
Mapping

Geoid
RT: Earth
Geodesy
Geoid anomalies
Levelling
Mean sea level
Micropalaeontology
Satellite altimetry
Surface topography

Geoid anomalies
BT: Anomalies
RT: Geoid
Gravity anomalies
Surface topography

Geological ages
USE: Geological time

Geological charts
USE: Geological maps

Geological collections
SN: Collections in museums, data banks etc
BT: Collections
RT: Geological samples

Geological column
USE: Geological time

Geological correlation
BT: Correlation
NT: Stratigraphic correlation

Geological data
BT: Data
RT: Bathymetric data

Geological deposition
USE: Sedimentation

Geological distribution
SN: Distribution of biota through geological time
BT: Distribution
RT: Geological maps
Geological surveys

Geological domes
USE: Structural domes

Geological equipment
BT: Equipment
NT: Vane devices
RT: Geophysical equipment
Penetrometers
Sediment samplers
Sediment traps
Stratigraphic traps

Geological exploration
USE: Geological surveys

Geological faults
USE: Faults

Geological hazards
BT: Hazards
NT: Earthquakes
Landslides
Volcanic eruptions
RT: Floods
Ground motion
Settlement (structural)
Slumping

Geological history
UF: History (geological)
RT: Geological time
Geology

Geological institutions
UF: Geophysical institutions
BT: Research institutions
RT: Geochemistry
Geology
Geophysics

Geological mapping
USE: Geological surveys

Geological maps
SN: Before 1982 search
GELOGICAL CHARTS
UF: Geological charts
Geophysical charts
Geophysical maps
BT: Maps
NT: Gravity charts
Isopach maps
Magnetic charts
RT: Bathymetric charts
Geological distribution
Geological sections
Geological surveys
Oceanographic atlases
Sediment distribution
Topographic maps

Geological oceanography
USE: Marine geology

Geological record
USE: Geological time

Geological samples
BT: Samples
NT: Mineral samples
Sediment samples
RT: Geological collections
Geological surveys

Geological sections
BT: Vertical sections
RT: Echosounder profiles
Geological maps
Seismic profiles

Geological structures
NT: Faults
Folds
Graben
RT: Sedimentary structures
Structural geology

Geological surveys
UF: Geological exploration
Geological mapping
BT: Surveys
NT: Geophysical surveys
RT: Geological distribution
Geological maps
Geological samples
Oceanographic surveys
Seafloor mapping
Seafloor sampling
Seismic exploration
Site surveys

Geological systems
USE: Geological time

Geological time
UF: Geological ages
Geological column
Geological record
Geological systems
Geological time divisions
Geological time scale
Stratigraphic systems
NT: Cenozoic
Mesozoic
Palaeozoic
Phanerozoic
Precambrian
RT: Geochronometry
Geological history
Radiometric dating
Stratigraphy
Temporal distribution

Geological time divisions
USE: Geological time

Geological time scale
USE: Geological time

Geologists
BT: Scientific personnel
RT: Geology

Geology
BT: Earth sciences
NT: Geomorphology
Glacial geology
Hydrology
Lithology
Marine geology
Petroleum geology
Petrology
Sedimentology
Stratigraphy
Structural geology
Tectonics
RT: Geochemistry
Geological history
Geological institutions
Geologists
Geophysics
Mineralogy
Palaeontology
Palynology

Geomagnetic electrokinetograph
USE: GEK

Geomagnetic field
UF: Earth magnetic field
Magnetic field (earth)
BT: Magnetic fields
RT: Aeromagnetic surveys
Geomagnetism
Magnetic anomalies
Magnetic field elements
Magnetic reversals
Magnetic susceptibility
Magnetotelluric methods
Pole positions
Remanent magnetization
Telluric currents

Geomagnetic reversals
USE: Magnetic reversals

Geomagnetic surveys
USE: Magnetic exploration

Geomagnetism
UF: Earth magnetism
Terrestrial magnetism
BT: Geophysics
Magnetism
RT: Geomagnetic field
Magnetometers
Magnetotelluric methods
Palaeomagnetism

Geomorphology
UF: Physiography
BT: Geology
NT: Coastal morphology
Fluvial morphology
Lake morphology
RT: Geography
Glacial geology
Hydrology
Palaeoclimatology
Sedimentology
Seismology
Speleology
Topographic features

Geophones
USE: Seismometers

Geophysical charts
USE: Geological maps

Geophysical data
BT: Data
NT: Geothermal data
Gravity data
Magnetic data
Seismic data
RT: Geophysical exploration
Geophysical surveys
Geophysics

Geophysical equipment
BT: Equipment
NT: Geothermal equipment
Seismic equipment
RT: Geological equipment
Geophysical exploration
Geophysical surveys
Geophysics
Gravity meters
Magnetometers
Oceanographic equipment
Tiltmeters

Geophysical exploration
BT: Exploration
NT: Electrical exploration
Electromagnetic exploration
Geothermal exploration
Gravity exploration
Magnetic exploration
Mineral exploration
Oil and gas exploration
Seismic exploration
RT: Geophysical data
Geophysical equipment
Geophysical surveys
Geophysics

Geophysical institutions
USE: Geological institutions

Geophysical maps
USE: Geological maps

Geophysical methods
USE: Geophysical exploration

Geophysical surveys
SN: Used for surveys of specific regions using geophysical methods
BT: Geological surveys
NT: Gravity surveys
RT: Geophysical data
Geophysical equipment
Geophysical exploration
Geophysics
Site surveys

Geophysics
BT: Earth sciences
NT: Geodesy
Geomagnetism
Palaeomagnetism
Seismology
Tectonophysics
RT: Geochemistry
Geological institutions
Geology
Geophysical data
Geophysical equipment
Geophysical exploration
Geophysical surveys

Geopotential
USE: Dynamic height

Geopotential anomaly
USE: Dynamic height anomaly

Geopotential topography
USE: Dynamic topography

Geosensing
SN: Use for remote sensing of earth surface from space. Before 1986 search also REMOTE SENSING
UF: Earth remote sensing
Remote sensing (earth)
Teledetection
BT: Remote sensing
NT: Airborne sensing
Satellite sensing
RT: Electromagnetic radiation
Scientific satellites

Geostrophic currents
USE: Geostrophic flow

Geostrophic equilibrium
BT: Equilibrium
RT: Coriolis force
Geostrophic flow
Stream functions

Geostrophic flow
SN: Before 1982 search
GEOSTROPHIC CURRENTS
UF: Geostrophic currents
BT: Fluid flow
NT: Quasi-geostrophic motion
RT: Ageostrophic flow
Coriolis force
Density field
Density stratification
Dynamic topography
Geostrophic equilibrium
Geostrophic method
Geostrophic transport
Geostrophy
Level of no motion
Surface slope

Geostrophic flow calculation
USE: Geostrophic method

Geostrophic method
UF: Geostrophic flow calculation
RT: Density field
Dynamic topography
Geostrophic flow
Level of no motion

Geostrophic transport
UF: Geostrophic volume transport
RT: Geostrophic flow
Geostrophic volume transport
USE: Geostrophic transport

Geostrophic winds
BT: Winds
RT: Gradient currents

Geostrophy
RT: Ageostrophic flow
Geostrophic flow

Geosynclines
BT: Folds
RT: Orogeny
Synclines

Geotechnical data
SN: Data on engineering properties of sediments and rocks
BT: Data
RT: Geotechnology

Geotechnical properties
USE: Sediment properties

Geotechnics
USE: Geotechnology

Geotechnology
SN: Before 1986 search also SOIL MECHANICS
UF: Geotechnics
BT: Technology
RT: Geotechnical data

Geotectonics
USE: Tectonics

Geothermal alteration
USE: Hydrothermal alteration

Geothermal data
BT: Geophysical data
RT: Geothermal exploration

Geothermal energy
BT: Energy
RT: Geothermal power
Hot springs
Hydrothermal activity

Geothermal equipment
BT: Geophysical equipment
NT: Heat probes

Geothermal exploration
BT: Geophysical exploration
RT: Geothermal data

Geothermal fields
USE: Hydrothermal fields

Geothermal fluids
USE: Hydrothermal solutions

Geothermal gradient
BT: Temperature gradients
RT: Thermal conductivity

Geothermal measurement
UF: Sediment temperature measurement
BT: Heat probes
Sediment temperature

Geothermal power
SN: Geothermal energy as a source of power
UF: Hydrothermal energy
BT: Energy resources
Thermal power
RT: Geothermal energy
Power from the sea
Renewable resources

Geothermal properties
BT: Physical properties
RT: Geothermal springs

Geothermal springs
SN: Before 1982 search
THERMAL SPRINGS
UF: Thermal springs (geothermal)
BT: Water springs
NT: Hydrothermal springs
RT: Geothermal properties
Water temperature

Geotropism
BT: Tropism
RT: Gravity
Gravity effects

GER
USE: Production cost

Germanium
BT: Nonmetals
RT: Germanium compounds
Germanium isotopes

Germanium compounds
BT: Chemical compounds
RT: Germanium

Germanium isotopes
BT: Isotopes
RT: Germanium

Germination
RT: Seeds
Spores

Gestation
USE: Pregnancy

Geysers
USE: Hot springs

Giant waves
BT: Water waves
RT: Wave height
Wave-current interaction

Gibberellins
USE: Phytohormones

Gibbing
USE: Gutting

Gibbsite
BT: Oxide minerals

Gill archives
USE: Gills

Gill disease
UF: Bacterial gill disease
Fungal gill disease
BT: Fish diseases
RT: Bacterial diseases
Fungal diseases

Gills

Gillnets
UF: Drift nets
Emmeshing nets
Set nets
Tangle nets
BT: Fishing nets
RT: Entangling nets

Gillnetters
BT: Fishing vessels
RT: Gillnets

Gillraker counts
BT: Meristic counts

Gills
SN: Respiratory organs usually specialized for gaseous exchange in water.
Before 1982 search
RESPIRATORY ORGANS
UF: Gill arches
Gill rakers
BT: Respiratory organs
RT: Aerobic respiration
Gill disease
Mantle
Mantle cavity

GIS
UF: Geographic information systems
BT: Information systems
RT: Spatial analysis

Glacial deposition
USE: Glacial sedimentation
ASFA THESAURUS

Glacial deposits
UF: Drift (sediments)
Glacial drift
Glacial-marine sediments
NT: Boulder clay
Glacial erratics
RT: Allochthonous deposits
Clastics
Glacial erosion
Glacial features
Glacial sedimentation
Glacial transport
Ice drift
Lake deposits
Moraines
Rafting
Terrigenous sediments
Varves
Glacial drift
USE: Glacial deposits
Glacial epoch
USE: Pleistocene

Glacial erosion
BT: Erosion
RT: Glacial deposits
Glacial features
Glacial lakes
Iceberg scouring
Ploughmarks

Glacial erratics
UF: Erratics
Ice-rafted detritus
BT: Glacial deposits
RT: Boulders
Ice ages
Ice rafting

Glacial features
NT: Moraines
RT: Deposition features
Eskers
Fjords
Glacial deposits
Glacial erosion
Glacial lakes
Glacial transport
Glaciers
Ploughmarks
Topographic features

Glacial geology
BT: Geology
RT: Geomorphology
Glaciers

Glacial lakes
SN: Lakes occupying basins formed as a result of glaciation
UF: Kettle lakes
Tarns
BT: Lakes
RT: Glacial erosion
Glacial features
Glaciation
Strandlines

Glacial periods
USE: Ice ages

Glacial sedimentation
UF: Glacial deposition
BT: Sedimentation
RT: Glacial deposits
Glaciers
Sedimentary environments

Glacial transport
BT: Sediment transport
RT: Glacial deposits
Glacial features
Glaciers
Ice rafting

Glacial-marine sediments
USE: Glacial deposits

Glaciation
RT: Climatic changes
Deglaciation
Glacial lakes
Glaciers
Ice ages
Regressions

Glacier ice
USE: Glaciers

Glaciers
SN: Glaciers and their influence on aquatic environment
UF: Glacier ice
BT: Ice
RT: Ablation
Cryosphere
Freshwater ice
Glacial features
Glacial geology
Glacial sedimentation
Glacial transport
Glaciation
Ice volume
Icebergs
Water resources

Glands
BT: Secretory organs
NT: Endocrine glands
Exocrine glands
RT: Metabolism

Glass
NT: Obsidian
RT: Fibre glass
Palagonite
Volcanic glass

Glass-reinforced plastics
BT: Plastics
RT: Fibre glass

Glaucinite
BT: Micas

Glitter
RT: Light reflection
Reflectance

Global Positioning Systems
SN: A low cost system for finding three dimensional coordinates on the earth using satellites.
UF: GPS
BT: Positioning systems

Global radiation
USE: Solar radiation

Global tectonics
USE: Plate tectonics

Global warming
SN: An increase in the near surface temperature of the Earth. This may be a result of natural influences or increased emissions of greenhouse gases due to human activities.
BT: Climatic changes
RT: Greenhouse effect

Globalisation
USE: Globalisation

Globalization
SN: An umbrella term (having both positive and negative connotations) as regards the growing economic interdependence of countries worldwide through increasing volume and variety of cross-border transactions in goods and services, free international capital flows, and more rapid and widespread diffusion of technology.
UF: Globalisation
BT: Economics
RT: Environmental impact
Marketing
Pricing
Socioeconomic aspects
Trade

Globigerina ooze
USE: Foraminiferal ooze

Globulins
SN: Before 1982 search PROTEINS
UF: Gammaglobulins
Serum globulins
BT: Proteins

Gloria
SN: Geological Long Range Inclined Asdic
BT: Sonar
RT: Side scan sonar
Sonographs
Glossaries
UF: Dictionaries
Lexicons
BT: Documents
RT: Terminology

Glucosamine
BT: Hexosamines
RT: Chitin

Glucose
BT: Monosaccharides
RT: Aldihydes

Glutamic acid
BT: Amino acids

Glutathione
USE: Coenzymes

Glycerol
BT: Alcohols

Glycine
BT: Amino acids

Glycogen
BT: Carbohydrates
RT: Liver
Muscles

Glycolic acid
BT: Organic acids

Glycolipids
USE: Complex lipids

Glycoproteins
SN: Before 1982 search
PROTEINS
BT: Proteins
RT: Antigens
Hormones

Glycosides
BT: Carbohydrates
NT: Pigments
Porphyrrins
Saponins

GMOS
USE: Genetically Modified Organisms

Goethite
BT: Oxide minerals

Gold
BT: Heavy metals
Transition elements
RT: Gold compounds
Placers

Gold compounds
BT: Chemical compounds
RT: Gold

Golgi apparatus
UF: Golgi bodies
Golgi complex
BT: Cell organelles
RT: Cytoplasm

Golgi bodies
USE: Golgi apparatus

Golgi complex
USE: Golgi apparatus

Gonad hormones
USE: Sex hormones

Gonadotrophic hormones
USE: Sex hormones

Gonads
SN: Before 1995 search ANIMAL
REPRODUCTIVE ORGANS
BT: Animal reproductive organs
Endocrine glands
NT: Ovaries
Testes

Goods
USE: Products

Government policy
USE: Policies

Governments
UF: Federal governments
State governments
RT: Countries
Policies
Political aspects

GPS
USE: Global Positioning Systems

Graben
SN: Structural rock feature down -thrown between two parallel faults relative to the surrounding area
BT: Geological structures
RT: Faults
Rift valleys

Grabs
BT: Sediment samplers

Grades
USE: Quality

Gradient currents
BT: Water currents
RT: Geostrophic winds

Gradients
NT: Density gradients
Salinity gradients
Velocity gradients
RT: Profiles
Slopes (topography)

Grading
UF: Fish grading
Grading devices
Size grading

Grading devices
USE: Grading

Grafting
SN: Transplantation, implantation or removal of tissue or organs
RT: Histology
Tissues

Grafts
USE: Transplants

Grain flow
BT: Sediment gravity flows
RT: Cohesionless sediments
Fluidization
Liquefied sediment flow

Grain motion
USE: Particle motion

Grain orientation
BT: Orientation
RT: Grain properties
Sediment texture

Grain packing
RT: Grain properties
Sediment texture

Grain properties
BT: Sediment properties
RT: Grain orientation
Grain packing
Grain shape
Grain size

Grain shape
BT: Shape
RT: Grain properties
Sediment texture

Grain size
UF: Grain size distribution
Sediment size
BT: Size
RT: Grain properties
Granulometry
Permeability
Porosity
Sediment sorting
Sediment texture
Wet bulk density

Grain size distribution
USE: Grain size

Gramophone records
USE: Audio recordings
Granite
BT: Igneous rocks
Granitic layer
USE: Sial
Grants
RT: Fellowships
Financing
Research programmes
Granulometry
BT: Measurement
RT: Grain size
Graphic data presentations
USE: Graphics
Graphic methods
NT: Graphical analysis
RT: Graphics
Methodology
Graphical analysis
SN: Before 1982 search GRAPHIC METHODS
BT: Graphic methods
RT: Statistical analysis
Statistical tables
Graphics
UF: Data presentation (graphics)
Graphic data presentations
BT: Audiovisual materials
NT: Engineering drawings
Graphs
Illustrations
Map graphics
Maps
RT: Graphic methods
Slides (photographic)
Graphite
BT: Minerals
RT: Diamonds
Graphs
UF: Curves (graphs)
BT: Graphics
NT: Growth curves
Hodographs
Hypsometric curves
T/S diagrams
Wave refraction diagrams
RT: Isopleths
Profiles
Grappling gear
UF: Rakes
BT: Fishing gear
Gravel
BT: Clastics
RT: Aggregates
Cohesionless sediments
Sand
Sediment load
Sediment texture
Soils
Gravel pits
USE: Pits
Gravel waves
BT: Bed forms
RT: Transverse bed forms
Gravimeters
USE: Gravity meters
Gravimetric techniques
BT: Analytical techniques
RT: Density
Particle concentration
Sediment analysis
Gravimetry
BT: Measurement
RT: Gravity
Gravity exploration
Gravity meters
Gravity surveys
Gravitation
RT: Forces
Gravity
Gravity meters
Gravitational field
USE: Gravity field
Gravity
BT: Forces (mechanics)
RT: Geotropism
Gravimetry
Gravitation
Gravity anomalies
Gravity effects
BT: Environmental effects
RT: Geotropism
Gravity
Gravity exploration
UF: Gravity methods
BT: Geophysical exploration
RT: Coast effect
Gravimetry
Gravity anomalies
Gravity charts
Gravity corrections
Gravity data
Gravity induced flow
USE: Density flow
Gravity meters
UF: Gravimeters
BT: Measuring devices
RT: Accelerometers
Geophysical equipment
Gravimetry
Gravitation
Gravity methods
USE: Gravity exploration
Gravity platforms
BT: Fixed platforms
Gravity surveys
BT: Geophysical surveys
RT: Gravimetry
Gravity corrections
Gravity waves
BT: Water waves
RT: Capillary waves
Gravity
ASFA THESAURUS

Graywacke
RT: Arenites
   Sedimentary rocks
Grazing
BT: Feeding behaviour
RT: Food chains
   Food preferences
   Foraging behaviour
   Herbivores
Greenhouse effect
RT: Carbon dioxide
   Climatic changes
   Earth atmosphere
   Global warming
   Heat budget
   Terrestrial radiation
   Water vapour
Green's function
RT: Mathematical analysis
Greenschist facies
BT: Metamorphic facies
RT: Greenschists
Greenschists
BT: Schists
RT: Greenschist facies
Greigite
BT: Sulphide minerals
Groins
USE: Groynes
Gross energy requirement
USE: Production cost
Ground fish
USE: Demersal fish
Ground motion
BT: Motion
RT: Earthquake loading
   Earthquakes
   Geological hazards
   Seismic activity
   Seismology
   Surface seismic waves
Ground swell
USE: Swell
Ground water
UF: Phreatic water
   Underground water
BT: Water
RT: Groundwater pollution
   Percolation
   Saline intrusion
   Spring streams
   Water resources
   Water table
   Watersheds
Groundfish
USE: Demersal fish
Groundings
BT: Marine accidents
RT: Keel clearance
   Ship losses
   Shoals
Groundwater pollution
RT: Water pollution
   Freshwater pollution
   Ground water
   Marine pollution
   Sediment pollution
Group effects
SN: Collective sensorial or chemical
   stimulation within organisms
BT: Environmental effects
RT: Biotic factors
   Growth regulators
   Social behaviour
Group velocity
BT: Velocity
RT: Phase velocity
   Water waves
   Wave dispersion
   Wave groups
   Wave velocity
Grouper culture
USE: Fish culture
Grouper fisheries
USE: Percoid fisheries
Grouting
Growing ponds
UF: Fattening ponds
BT: Fish ponds
NT: Nursery ponds
Growth
BT: Population functions
NT: Animal growth
   Plant growth
RT: Age determination
   Biological age
   Biological aging
   Biological development
   Condition factor
   Developmental stages
   Diapause
   Growth curves
   Growth rate
   Growth regulators
   Metabolism
   Regeneration
   Stunting
Growth curves
UF: Age length relationships
BT: Graphs
RT: Growth
   Length-weight relationships
   Population dynamics
Growth rate
RT: Growth
Growth regulators
SN: Chemical and biochemical
   products affecting growth of
   organisms
UF: Stimulants (growth)
NT: Auxins
RT: Group effects
   Growth
   Hormones
   Inhibitors
   Vitamins
Growth rings
UF: Annuli
RT: Plant growth
Groynes
UF: Groins
BT: Coast defences
RT: Beach erosion
Guano
BT: Animal products
   Organic fertilizers
RT: Guano birds
   Manure
   Phosphate deposits
Guano birds
BT: Marine birds
RT: Guano
Guide lines
BT: Cables
RT: Underwater structures
   Wire rope
Guiding (organisms)
USE: Guiding devices
Guiding devices
UF: Guiding (organisms)
   Organism guiding
NT: Electric fences
   Fishways
Gulf stream rings
USE: Current rings
Gustation
USE: Taste
Gusts
BT: Atmospheric turbulence
RT: Gale force winds
   Wind speed
   Winds
Gutting
SN: Removal of gut from fish
UF: Evisceration
   Gibbing
   Nobbing
BT: Dressing
   RT: Fish fillets
Guyed towers
UF: Compliant platforms
Compliant towers
BT: Fixed platforms
RT: Piled platforms

Guyots
SN: Flat topped seamounts
UF: Tablemounts
BT: Seamounts

Gynogenesis

Gypsum
BT: Sulphate minerals
RT: Authigenic minerals
Evaporites
Polyhalite
Sedimentary rocks

Gyres
UF: Anticyclonic gyres
Subtropical gyres
BT: Ocean circulation
RT: Oceanic deserts
Subtropical convergences
Water circulation

Gyrocompasses
BT: Compasses

Gyrosopes
UF: Precision gyroscopes
BT: Instruments

Gyroscopic waves
USE: Inertial waves

Habitat
SN: A specific place with its environmental conditions occupied by an organism, a population or a community
UF: Aquatic habitat
Habitat (natural)
Natural habitat
NT: Biotopes
Exposed habitats
Microhabitats
Sheltered habitats
Underwater habitats
RT: Aquatic communities
Aquatic environment
Biocoenosis
Biota
Carrying capacity
Ecological associations
Ecological succession
Ecotypes
Habitat improvement
Habitat selection
Home range
Niches
Habitat (natural)
USE: Habitat

Habitat degradation
USE: Environmental degradation

Habitat diversity
USE: Biodiversity

Habitat improvement
SN: Man-made changes in aquatic natural habitat mainly for aquaculture purposes
NT: Habitat improvement (biological)
Habitat improvement (chemical)
Habitat improvement (fertilization)
Habitat improvement (physical)
RT: Aquaculture techniques
Habitat

Habitat improvement (biological)
SN: Improvement of habitat by increasing food organisms and/or introduction of forage by man
BT: Habitat improvement

Habitat improvement (chemical)
SN: Chemical improvement of the water properties by pH adjustment, and/or by reducing unfavourable elements
BT: Habitat improvement
RT: Artificial aeration
Habitat improvement (fertilization)

Habitat improvement (fertilization)
SN: Habitat improvement by fertilizers or other elements
BT: Habitat improvement
RT: Fertilizers
Habitat improvement (chemical)

Habitat improvement (physical)
SN: Change of water depth, volume, flow by construction of dams, ripple, removal of rubble and other hydraulic techniques
BT: Habitat improvement
RT: Artificial reefs
Fishways
Shelters

Habitat loss
SN: Destruction of the environment in which an organism lives resulting in the destruction or displacement of the organism.

Habitat selection
RT: Colonization
Environmental factors
Habitat

Habitat types
USE: Ecotypes

Habitats (artificial)
USE: Underwater habitats

HACCP
SN: The Hazard Analysis and Critical Control Point (HACCP) system, adopted by the Codex Alimentarius Commission, identifies specific hazards and measures for their control to ensure the safety of food.
UF: Hazard analysis and critical control point
BT: Quality control

Haddock fisheries
USE: Gadoid fisheries

Haemagglutinins
USE: Agglutinins

Haematite
UF: Hematite
BT: Oxide minerals
RT: Iron oxides

Haematoblasts
USE: Blood cells

Haematological diseases
SN: Before 1982 search
HAEMATOLOGY
UF: Blood diseases
Hematological diseases
Hemic diseases
BT: Diseases
NT: Anaemia
RT: Haematology
Septicaemia

Haematology
UF: Blood chemistry
Hematology
BT: Biology
RT: Blood
Blood groups
Erythropoiesis
Haematological diseases
Haemopoiesis
Serological studies
Serum

Haemopoiesis
USE: Haemopoiesis

Haemocyanins
UF: Hemocyanins
BT: Respiratory pigments
RT: Anaemia
Blood
Copper
Proteins

Haemoglobins
UF: Hemoglobins
BT: Respiratory pigments
RT: Anaemia
Blood cells
Chelates
Harmonic analysis
BT: Functional analysis
RT: Differential equations
Fourier analysis
Harmonic functions
Tidal analysis
Time series analysis
Waveform analysis

Harmonic functions
RT: Harmonic analysis
Laplace equation
Poisson's equation
Tidal constants
Tidal constituents

Harmonic tidal constants
USE: Tidal constants

Harmonic tidal constituents
USE: Tidal constituents

Harpoons
USE: Wounding gear

Harvesting
SN: Harvesting methods for biological purposes
NT: Seaweed harvesting
RT: Harvesting machines

Harvesting equipment
USE: Harvesting machines

Harvesting machines
SN: Harvesting equipment for biological purposes only
UF: Harvesting equipment
BT: Fishing gear
Machinery
RT: Aquaculture equipment
Fish pumps
Harvesting

Hatcheries
BT: Aquaculture facilities
RT: Bait culture
Batch culture
Culture tanks
Fish ponds
Hatching
Incubation
Seed collection
Seed production

Hatching
RT: Clutch
Eggs
Fry
Hatcheries
Incubation
Incubators
Nesting
Rearing

Hazard assessment
SN: Evaluation of hazards to aquatic life associated with the use of chemical substances
UF: Hazard evaluation
RT: Environmental impact
Hazardous materials
Hazards
Lethal limits
Toxicity tests

Hazard evaluation
USE: Hazard assessment

Hazardous materials
UF: Dangerous materials
BT: Materials
NT: Biological poisons
Chemical pollutants
Explosives
Radioactive wastes
RT: Hazard assessment
Hazards
Industrial wastes
Pesticides
Toxicants

Hazards
UF: Danger
NT: Diving hazards
Fire hazards
Geological hazards
Navigational hazards
Radiation hazards
Weather hazards
RT: Accidents
Damage
Disasters
Hazard assessment
Hazardous materials
Injuries
Risks

Haze
UF: Atmospheric turbidity
RT: Air pollution
Atmospheric optical phenomena
Dust
Dust clouds
Fog
Turbidity
Visibility

Head
UF: Animal head
BT: Body regions
RT: Brain
Skull

Headed fish
USE: Heading

Heading
UF: Headed fish
BT: Fish handling

Headlands
UF: Cuspate forelands
Promontories
BT: Coastal landforms
RT: Beach features

Health
USE: Public health

Health and safety
SN: Before 1986 search also SAFETY
UF: Protection (human)
Safety
NT: Accident prevention
Medicine
Public health
Radiation protection
RT: Safety devices
Safety regulations

Heart
BT: Circulatory system
RT: Blood circulation
Blood vessels

Heat
BT: Energy
NT: Sensible heat
Waste heat
RT: Conservation of heat
Heat balance
Heat budget
Heat transfer
Heating
Temperature
Thermal pollution
Thermal radiation
Thermodynamic properties
Thermodynamics

Heat advection
USE: Heat transport

Heat affected zones
RT: Welding

Heat balance
SN: Restricted to heat balance studies of organisms
UF: Heat gain (organisms)
Heat loss (organisms)
RT: Aestivation
Body temperature
Heat
Heat transfer

Heat budget
SN: Use only for heat budget of water bodies and atmosphere. For studies in organisms use HEAT BALANCE
UF: Heat gain (water bodies)
Heat loss (water bodies)
BT: Energy budget
RT: Bowen ratio
Earth atmosphere
Evaporation
Greenhouse effect
## Heat
- Heat content
- Heat exchange
- Heat flow
- Heat storage
- Heat transport
- Radiation balance
- Temperature
- Thermal stratification
- Water budget
- Water column

### Heat capacity
USE: Specific heat

### Heat conduction
UF: Conduction (heat)
- Conductive heat transfer
- Molecular heat conduction
BT: Heat transfer
RT: Eddy conduction
- Heat flow
- Sensible heat
- Thermal conductivity

### Heat content
RT: Heat budget
- Water temperature

### Heat dissipation
USE: Cooling

### Heat exchange
SN: Heat transfer at air-water, air-ice, ice-water, or sediment-water interface
BT: Heat transfer
NT: Latent heat transfer
- Sensible heat transfer
RT: Air-ice interface
- Air-water exchanges
- Air-water interface
- Evaporation
- Heat budget
- Ice-water interface
- Radiation balance
- Sediment-water exchanges
- Sediment-water interface

### Heat exchangers
RT: OTEC plants

### Heat flow
SN: Use only for heat flow measurements and amounts on the ocean floor. Use GEOTHERMAL ENERGY for land areas
UF: Heat flow flux
BT: Heat transfer
RT: Heat budget
- Heat conduction
- Heat probes
- Hot spots
- Hot springs
- Mantle convection
- Sediment temperature
- Sediment-water exchanges

### Heat gain (organisms)
USE: Heat balance

### Heat gain (water bodies)
USE: Heat budget

### Heat loss (organisms)
USE: Heat balance

### Heat loss (water bodies)
USE: Heat budget

### Heat measurement
USE: Calorimetry

### Heat probes
BT: Geothermal equipment
RT: Geothermal measurement
- Heat flow

### Heat properties
USE: Thermodynamic properties

### Heat radiation
USE: Thermal radiation

### Heat shock
BT: Temperature effects
RT: Cold shock

### Heat sinks
RT: Thermodynamics

### Heat storage
SN: Amount of heat used in changing the temperature of a body of water in a given time interval. A component of the heat budget
RT: Heat budget

### Heat tolerance
USE: Temperature tolerance

### Heat transfer
UF: Heat flux
BT: Energy transfer
NT: Cooling
Eddy conduction
Heat conduction
Heat exchange
Heat flow
RT: Boundary layers
- Convection
- Entropy
- Heat
- Heat balance
- Heat transport
- Phase changes
- Prandtl number

### Heat transport
SN: Heat advected by oceanic or atmospheric circulation into or out of a region
UF: Heat advection
- Poleward heat flux
BT: Transport
RT: Advection
- Atmospheric circulation
- Heat budget
- Heat transfer
- Ocean circulation
- Water exchange

### Heated effluent systems
USE: Thermal effluent aquaculture

### Heating
SN: Includes heating equipment
RT: Cooling
- Heat
- Ice prevention

### Heating fuels
USE: Fuels
- Heave
USE: Heaving

### Heave compensators
RT: Drill string
- Drilling
- Heaving
- Stabilizing

### Heave response
BT: Dynamic response
RT: Buoy motion effects
- Heaving

### Heaving
UF: Heave
BT: Ship motion
RT: Buoy motion effects
- Heave compensators
- Heave response

### Heavy metals
SN: Metallic elements with a specific gravity greater than four
BT: Metals
NT: Antimony
- Arsenic
- Bismuth
- Cadmium
- Chromium
- Cobalt
- Copper
- Gallium
Gold
Hafnium
Indium
Iridium
Iron
Lead
Manganese
Mercury
Molybdenum
Nickel
Niobium
Osmium
Palladium
Platinum
Radium
Rhenium
Rhodium
Ruthenium
Selenium
Silver
Tantalum
Technetium
Tellurium
Thallium
Tin
Titanium
Tungsten
Vanadium
Zinc
Zirconium

RT: Toxicants
Toxicity

Heavy minerals
BT: Minerals
RT: Chromium
Light minerals
Rutile

Heavy water
BT: Water
RT: Deuterium compounds
Hydrogen isotopes

Height
UF: Altitude
BT: Dimensions
NT: Cloud height
RT: Altimeters
Altimetry
Depth
Dynamic height
Hypsometric curves

Helicopters
BT: Aircraft
RT: Helidecks

Helidecks
SN: Helicopter landing deck
BT: Decks
RT: Helicopters

Helium
BT: Rare gases
RT: Helium isotopes

Helium isotopes
BT: Isotopes
RT: Helium
Uranium-helium dating
Helium oxygen mixture
USE: Mixed gas
Helmholtz instability
USE: Kelvin-Helmholtz instability
Hematite
USE: Haematite
Hematological diseases
USE: Haematological diseases
Hematology
USE: Haematology
Hematopoiesis
USE: Haemopoiesis
Hemic diseases
USE: Haematological diseases
Hemocyanins
USE: Haemocyanins
Hemoglobins
USE: Haemoglobins
Hemopoiesis
USE: Haemopoiesis
Hemorrhage
USE: Haemorrhage
Heparin
BT: Mucopolysaccharides
Hepatocytes
BT: Blood cells
Hepatoma
USE: Tumours
Hepatopancreas
BT: Digestive glands
Herbicides
BT: Pesticides
RT: Algalicides
Lindane
Plant control
Herbivores
BT: Heterotrophic organisms
NT: Herbivorous fish
RT: Carnivores
Grazing
Omnivores
Trophic levels

Herbivorous fish
UF: Phytophagous fishes
BT: Fish
Herbivores
RT: Freshwater fish
Plant control
Heredity
USE: Genetics

Hermaphroditism
UF: Bisexuality
NT: Self fertilization
RT: Animal reproductive organs
Imposex
Protandry
Protogyne
Sex determination

Herpetology
BT: Vertebrate zoology
RT: Aquatic reptiles
Herring fisheries
USE: Clupeoid fisheries
Heteroenzymes
USE: Enzymes

Heterosis
UF: Hybrid vigor
BT: Biological properties
RT: Hybrid culture
Hybridization
Hybrids

Heterotrophic organisms
SN: Use of a more specific term is recommended
UF: Heterotrophs
BT: Aquatic organisms
NT: Carnivores
Decomposers
Detritus feeders
Filter feeders
Herbivores
Omnivores
Plankton feeders
Predators
Scavengers
RT: Feeding behaviour
Food webs
Heterotrophy
Trophicodynamic cycle

Heterotrophs
USE: Heterotrophic organisms

Heterotrophy
BT: Nutritional types
RT: Animal nutrition
Heterotrophic organisms

Hexosamines
BT: Amines
NT: Glucosamine
Hiatuses
RT: Bottom erosion

Hibernation
SN: Dormancy or resting state during winter period
RT: Aestivation
Body temperature
Dormancy
Environmental effects
Metabolism
Sleep
Thermoregulation

Hierarchies (social)
USE: Dominance hierarchies

High frequency
BT: Frequency
RT: Low frequency

High performance liquid chromatography
USE: HPLC

High pressure effects
BT: Pressure effects
RT: Decompression chambers
Hydrostatic pressure
Hyperbaric
Implosions
Pressure vessels

High pressure ridges
RT: Atmospheric disturbances
High pressure systems
RT: Atmospheric disturbances
Atmospheric pressure
High pressure ridges
Sea level pressure

High seas
BT: Ocean space
RT: High seas fisheries
International waters

High seas fisheries
UF: Distant water fisheries
BT: Marine fisheries
RT: Factory ships
High seas

High tide
SN: Before 1995 search also HIGH WATER
UF: High water
BT: Tides
RT: Cotidal lines
 Flood currents
Low tide

High water
USE: High tide

Highest astronomical tides
USE: Astronomical tides

Hiatuses
RT: Bottom erosion

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Low tide

High water
USE: High tide

Highest astronomical tides
USE: Astronomical tides

Histamines
BT: Organic compounds
RT: Allergic reactions

Histology
UF: Tissue morphology
BT: Biology
RT: Anatomy
Cytology
Fixatives
Grafting
Histochemistry
Histopathology
Microscopy
Tissues

Histones
BT: Proteins
RT: Chromosomes

Histopathology
BT: Pathology
RT: Diseases
Histology
Tissues

Historical account
SN: History or development of aquatic sciences or research institutions
UF: History
RT: Archives
Expedition reports

History
USE: Historical account

History (geological)
USE: Geological history

Hodographs
BT: Graphs
NT: Current ellipses
Ekman spiral
RT: Map graphics
Vectors

Hoisting
USE: Lifting

Hoists
USE: Cranes

Holdfasts
BT: Plant organs
RT: Kelps
Seaweeds

Hole re-entry
UF: Re-entry (deep-sea drilling)
RT: Boreholes
Deep-sea drilling

Holocene
SN: Before 1982 search
HOLOCENE EPOCH
UF: Recent epoch
BT: Quaternary

Holocene sediments
USE: Recent sediments

Holography
NT: Acoustic holography
RT: Lasers
Light diffraction
Photography

Holoplankton
UF: Permanent plankton
BT: Zooplankton

Holotypes
SN: Single designated plant or animal specimen that serves as the basis for the original name and description of any taxon
UF: Type specimens
RT: New taxa
Taxonomy
Type localities
Typology

Home range
UF: Territory
RT: Competitive behaviour
Habitat
Homing behaviour
Local movements
Territoriality

Homeothermy
USE: Homoiothermy

Homing behaviour
BT: Behaviour
RT: Anadromous migrations
Animal navigation
Catadromous migrations
Home range
Local movements

Homoiothermic animals
USE: Homoiothermy
### ASFA THESAURUS

<table>
<thead>
<tr>
<th>Homiothermy</th>
<th>Growth regulators</th>
<th>other essentials elements of the livelihood.</th>
</tr>
</thead>
<tbody>
<tr>
<td>UF: homeothermy</td>
<td>Metabolism</td>
<td></td>
</tr>
<tr>
<td>Homiothermic animals</td>
<td>Physiology</td>
<td></td>
</tr>
<tr>
<td>Warm-blooded animals</td>
<td>Secretion</td>
<td></td>
</tr>
<tr>
<td>BT: Biological properties</td>
<td>Steroids</td>
<td></td>
</tr>
<tr>
<td>RT: Body temperature</td>
<td>Target cells</td>
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<tr>
<td>Poikilothermy</td>
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<tr>
<td>Thermoregulation</td>
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<tr>
<td>Honour volumes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>USE: Collected papers</td>
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</tr>
</tbody>
</table>

#### Hook rate

**USE:** *Catch/effort*

**Hooks**

<table>
<thead>
<tr>
<th>UF: fish hooks</th>
<th>BT: Lines</th>
<th>RT: Bait</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</table>

**Horizon**

<table>
<thead>
<tr>
<th>RT: Direction</th>
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<tbody>
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**Horizontal advection**

<table>
<thead>
<tr>
<th>RT: Advection</th>
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</thead>
<tbody>
<tr>
<td>ME</td>
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</table>

**Horizontal distribution**

<table>
<thead>
<tr>
<th>NT: Bipolar distribution</th>
</tr>
</thead>
<tbody>
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<td></td>
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</tbody>
</table>

**Horizontal motion**

<table>
<thead>
<tr>
<th>RT: Fluid flow</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
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<table>
<thead>
<tr>
<th>BT: Advection</th>
</tr>
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<tbody>
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<td></td>
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</table>

**Horizontal profiles**

<table>
<thead>
<tr>
<th>BT: Profiles</th>
</tr>
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<tbody>
<tr>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>NT: Beach profiles</th>
</tr>
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<tbody>
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<td></td>
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<thead>
<tr>
<th>Thalweg</th>
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<table>
<thead>
<tr>
<th>RT: Bathymetric profiles</th>
</tr>
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<td></td>
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<table>
<thead>
<tr>
<th>Vertical profiles</th>
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<td></td>
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</table>

**Hormones**

<table>
<thead>
<tr>
<th>UF: Chemical messengers</th>
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<tbody>
<tr>
<td>Messengers (chemicals)</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>BT: Secretory products</th>
</tr>
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<tbody>
<tr>
<td>Ecdysons</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NT: Insulin</th>
</tr>
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<tbody>
<tr>
<td>Neurotransmitters</td>
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<table>
<thead>
<tr>
<th>Pheromones</th>
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<tbody>
<tr>
<td>Phytokinase</td>
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<table>
<thead>
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</thead>
<tbody>
<tr>
<td>Drugs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ectocrines</th>
</tr>
</thead>
<tbody>
<tr>
<td>Endocrine glands</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Endocrinology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enzymes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Glycoproteins</th>
</tr>
</thead>
</table>

**Homoiothermy**

<table>
<thead>
<tr>
<th>Homoiothermic animals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Warm-blooded animals</td>
</tr>
</tbody>
</table>

**USE:** *Biological properties*

**RT:** *Body temperature*

**Poikilothermy**

<table>
<thead>
<tr>
<th>Temperature tolerance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermo-regulation</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Honour volumes</th>
</tr>
</thead>
<tbody>
<tr>
<td>USE: Collected papers</td>
</tr>
</tbody>
</table>

**Hook rate**

<table>
<thead>
<tr>
<th>USE: Catch/effort</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

#### Hoses

<table>
<thead>
<tr>
<th>NT: Floating hoses</th>
</tr>
</thead>
<tbody>
<tr>
<td>RT: Pipes</td>
</tr>
</tbody>
</table>

**Host preferences**

<table>
<thead>
<tr>
<th>RT: Hosts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parasitism</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Specificity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

**Hosts**

<table>
<thead>
<tr>
<th>UF: Intermediate hosts</th>
</tr>
</thead>
<tbody>
<tr>
<td>RT: Biological vectors</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Diseases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Host preferences</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Parasites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parasitism</td>
</tr>
</tbody>
</table>

**Hot brines**

<table>
<thead>
<tr>
<th>UF: Hot salty water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metalliferous brines</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BT: Brines</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrothermal solutions</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RT: Dissolved chemicals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metalliferous sediments</td>
</tr>
</tbody>
</table>

**Hot salty water**

<table>
<thead>
<tr>
<th>USE: Hot brines</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

**Hot spots**

<table>
<thead>
<tr>
<th>RT: Heat flow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magma</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mantle plumes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plate tectonics</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Seamount chains</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volcanism</td>
</tr>
</tbody>
</table>

**Hot springs**

<table>
<thead>
<tr>
<th>SN: Before 1982 search</th>
</tr>
</thead>
<tbody>
<tr>
<td>THERMAL SPRINGS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>UF: Geysers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermal springs (hot)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BT: Water springs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heat flow</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hydrothermal springs</th>
</tr>
</thead>
</table>

**Hourly**

<table>
<thead>
<tr>
<th>BT: Periodicity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

**Household statistics**

<table>
<thead>
<tr>
<th>SN: A basic unit for socio-cultural and economic analysis, a household may consist of persons living together and jointly making provision for food or</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Household UF: family statistics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Houses</td>
</tr>
</tbody>
</table>

**RT: Statistics**

<table>
<thead>
<tr>
<th>Households</th>
</tr>
</thead>
<tbody>
<tr>
<td>Statistics</td>
</tr>
</tbody>
</table>

**Houses**

<table>
<thead>
<tr>
<th>NT: Buoy hulls</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ship hulls</td>
</tr>
</tbody>
</table>

**HPLC**

<table>
<thead>
<tr>
<th>UF: High performance liquid chromatography</th>
</tr>
</thead>
<tbody>
<tr>
<td>RT: Chromatographic techniques</td>
</tr>
</tbody>
</table>

**Hulls**

<table>
<thead>
<tr>
<th>NT: Buoy hulls</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ship hulls</td>
</tr>
</tbody>
</table>

**Human diseases**

<table>
<thead>
<tr>
<th>UF: Disorders (human)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sickness</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BT: Diseases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ciguatera</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Decompression sickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diarrhetic shellfish poisoning</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hypercapnia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hypothermia</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hypoxia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Malaria</td>
</tr>
</tbody>
</table>

| Paralytic shellfish poisoning |
| Sea sickness                  |

<table>
<thead>
<tr>
<th>RT: Human physiology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nutrition disorders</td>
</tr>
</tbody>
</table>

**Public health**

**Human food**

<table>
<thead>
<tr>
<th>UF: Food for human consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT: Food</td>
</tr>
</tbody>
</table>

| NT: Seafood                    |
| RT: Fish consumption           |

**Food resources**

**Human health**

<table>
<thead>
<tr>
<th>USE: Public health</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

**Human impact**

<table>
<thead>
<tr>
<th>USE: Man-induced effects</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

**Human nutrition**

<table>
<thead>
<tr>
<th>USE: Nutrition</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

**Human physiology**

<table>
<thead>
<tr>
<th>BT: Physiology</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

**RT: Diving physiology**

<table>
<thead>
<tr>
<th>Human diseases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medicine</td>
</tr>
</tbody>
</table>

**Human resources**

<table>
<thead>
<tr>
<th>UF: Manpower resources</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>
ASFA THESAURUS

BT: Resources
RT: Personnel
Human underwater habitats
USE: Underwater habitats

Humin acids
BT: Organic acids
RT: Dystrophic lakes
Fulvic acids
Humus

Humidity
SN: Use of a more specific term is recommended
NT: Absolute humidity
Relative humidity
Specific humidity
RT: Dew point
Hygrometers
Hygrometry
Mixing ratio
Radiosondes
Storage conditions
Vapour pressure
Water content
Water vapour
Weather

Humidity measurement
USE: Hygrometry

Humidity sensors
USE: Hygrometers

Humus
BT: Organic matter
RT: Degradation
Fulvic acids
Humic acids
Leaves
Peat
Soils

Hunting
NT: Whaling
RT: Hunting statistics
Wounding

Hunting statistics
SN: Tabulation of hunted pinnipeds and allied species, including derived industrial products
BT: Catch statistics
RT: Hunting

Hurricane surges
USE: Hurricane waves

Hurricane tides
USE: Hurricane waves

Hurricane tracking
BT: Tracking
RT: Hurricanes

Hurricane waves
USE: Hurricane waves

Hurricanes
SN: Mature tropical depressions with wind speeds of 65 knots and over
UF: Cyclones (tropical)
Typhoons
BT: Storms
Tropical depressions
RT: Atmospheric forcing
Bottom pressure
Cyclones
Disasters
Gale force winds
Hurricane tracking
Hurricane waves
Mixed layer depth
Oceanic response
Temperature (air-sea)
Thermal structure
Tropical meteorology
Waterspouts

Husbandry diseases
UF: Fish culture diseases
BT: Diseases
RT: Environmental diseases
Fish diseases
Nutrition disorders

Hybrid culture
UF: Cross breeding
BT: Aquaculture techniques
RT: Fish culture
Freshwater aquaculture
Heterosis
Hybridization
Hybrids
Intensive culture
Selective breeding

Hybrid vigor
USE: Heterosis

Hybridization
UF: Hybridizing
Interbreeding
Molecular hybridization
RT: Breeding
Brood stocks
Genetics
Genotypes
Heterosis
Hybrid culture
Hybrids

Hybridizing
USE: Hybridization

Hybrids
SN: Occurring in nature or cultured form
RT: Genetics

Hyrdates
RT: Hydration
Ions

Hydratation
BT: Solvation
RT: Dehydration
Hydrates

Hydraulic engineering
BT: Engineering
RT: Flood control
Hydraulic models
Hydraulic structures
Hydraulics
Pond construction
Structural engineering

Hydraulic jump
RT: Standing waves
Tidal bores

Hydraulic models
BT: Scale models
NT: Harbour models
RT: Hydraulic engineering
Hydraulic structures
Test equipment
Wave tanks
Hydraulic power transmission systems
USE: Hydraulic systems

Hydraulic structures
SN: Use of a more specific term is recommended. Before 1982 search also COASTAL STRUCTURES and MARINE STRUCTURES
UF: Maritime structures
BT: Structures
NT: Barrages
Coastal structures
Offshore structures
Outfalls
RT: Hydraulic engineering
Hydraulic models

Hydraulic systems
UF: Hydraulic power transmission systems
Hydraulically operated devices
RT: Deck equipment
Hydrostatic pressure
Mining equipment

Hydraulics
BT: Mechanics
RT: Hydraulic engineering
Hydrobiologists
USE: Biologists

Hydrobiology
UF: Aquatic biology
BT: Biology
RT: Algology
Fishery biology
Freshwater sciences
Ichthyology
Malacology
Marine sciences

Hydrocarbon analysis
BT: Analysis
RT: Chemical analysis
Hydrocarbons
Petroleum
Sediment analysis
Water analysis

Hydrocarbon compounds
USE: Hydrocarbons

Hydrocarbons
UF: Hydrocarbon compounds
Solid hydrocarbons
BT: Organic compounds
Gas hydrates
Halogenated hydrocarbons
Iodinated hydrocarbons
Petroleum hydrocarbons
Saturated hydrocarbons
Unsaturated hydrocarbons
RT: Carbon
Carbon compounds
Fatty acids
Fossil fuels
Hydrocarbon analysis
Hydrogen
Oil
Oil sands
Oil shale
Sapropels

Hydroclimate
BT: Climate
RT: Bioclimatology
Biogeography
Salinity
Water temperature

Hydrodynamic equations
BT: Equations
RT: Dynamical oceanography
Hydrodynamics
Hydrostatic equation

Hydrodynamics
BT: Dynamics
Fluid mechanics
RT: Boundary layers
Coupled bodies
Current forces
Hydrodynamic equations
Hydrostastics
Navier-Stokes equations

Physical limnology
Physical oceanography
Stream flow
Vorticity
Wakes
Water circulation
Wave forces

Hydroelectric power
BT: Energy resources
RT: Hydroelectric power plants
Renewable resources
Tidal power
Wave power

Hydroelectric power plants
BT: Power plants
NT: Tidal power plants
RT: Hydroelectric power
Water power devices

Hydrofoils
BT: Surface craft

Hydrogen
BT: Atmospheric gases
Nonmetals
RT: Hydrocarbons
Hydrogen compounds
Hydrogen ions
Hydrogen isotopes
pH

Hydrogen compounds
BT: Chemical compounds
NT: Deuterium compounds
Hydrogen sulphide
Hydroxides
Inorganic acids
RT: Hydrogen
Water
Hydrogen ion concentration
USE: pH

Hydrogen ions
BT: Ions
RT: Hydrogen

Hydrogen isotopes
BT: Isotopes
NT: Tritium
RT: Heavy water
Hydrogen

Hydrogen sulphide
BT: Hydrogen compounds
Sulphides
RT: Anoxic sediments
Hydrogenous sediments
USE: Chemical sediments

Hydrogeology
USE: Hydrology

Hydrographic charts
UF: Oceanographic charts
BT: Maps
NT: Bathymetric charts
Current charts
Density charts
Ice charts
Salinity charts
Temperature charts
Tidal charts
RT: Environmental charts
Hydrographic data
Hydrographic sections
Hydrographic surveying
Hydrography
Oceanographic atlases

Hydrographic data
BT: Data
NT: CTD observations
Current data
Current meter data
Salinity data
Water temperature data
RT: Current observations
Hydrographic charts
Hydrography
Ice observations
STD observations
STD profiles

Hydrographic sections
SN: Use of a more specific term is recommended
BT: Vertical sections
NT: Bathymetric profiles
Density sections
Oxygen sections
Salinity sections
Temperature sections
Velocity sections
RT: Dissolved oxygen
Hydrographic charts
Hydrography
Meridional distribution
Oceanographic atlases
Standard ocean sections
Vertical profiles
Zonal distribution

Hydrographic surveying
SN: Surveying for data required for the compilation of navigational charts, principally the determination of water depth, nature of the seabed, currents and tides, and the location of fixed objects
UF: Charting (navigational hazards)
BT: Surveying
RT: Hydrographic charts
Hydrographic surveys
Research vessels
Survey vessels
Water depth
Hydrographic surveys
SN: Hydrographic, archaeological, cartographic, navigational, bathymetric and other seabed surveys. For TSD distribution use.

HYDROGRAPHY
BT: Surveys
NT: Bathymetric surveys
RT: Archaeology
Bathymetry
Hydrographic surveying
Navigational charts
Research vessels
Site surveys
Survey vessels
Water depth

Hydrography
SN: Use only for general studies of the distribution of the common physico-chemical properties (temperature, salinity, oxygen, etc.) of the oceans and inland waters
UF: Descriptive physical oceanography
BT: Physical oceanography
RT: Bathymetry
Fishery oceanography
Hydrographic charts
Hydrographic data
Hydrographic sections
Limnology
Oceanographic surveys
Water
Water masses
Water types

Hydrolases
SN: Before 1982 search ENZYMES
BT: Enzymes
RT: Hydrolysis

Hydrologic cycle
UF: Water cycle
BT: Cycles
RT: Energy budget
Hydrology
Hydrosphere
Rainfall
Water
Water budget
Water circulation
Water resources

Hydrology
SN: Use for studies of continental surface water and hydrogeology
UF: Hydrogeology
BT: Geology
RT: Freshwater sciences
Geochemistry
Geomorphology
Hydrologic cycle
Hydrosphere
Limnology
Water
Water budget

Hydrolysis
BT: Chemical reactions
NT: Enzymolysis
RT: Chemical degradation
Detoxification
Digestion
Hydrolases

Hydrometeors
SN: Products of condensation or sublimation of atmospheric water vapour and of water particles blown by the wind from the earth's surface. Use of a more specific term is recommended
NT: Atmospheric precipitations
Clouds
Droplets
Spray
RT: Condensation
Sublimation
Water
Water vapour

Hydrometers
BT: Measuring devices
RT: Density measurement
Density measuring equipment

Hydrometry
USE: Density measurement

Hydrophones
BT: Acoustic transducers
RT: Microphones
Piezoelectric transducers
Sonobuoys
Sound recorders
Streamers

Hydrophotometers
USE: Photometers

Hydrophores
USE: Aquatic plants

Hydrosphere
NT: Cryosphere
RT: Aquatic sciences
Hydrologic cycle
Hydrology
Inland waters
Marginal seas
Ocean-atmosphere system
Water
Water bodies
Water budget
Water column

Hydrostatic behaviour
UF: Hydrostatic reactions
BT: Behaviour
RT: Buoyancy
Flotation
Swim bladder

Hydrostatic equation
RT: Coriolis force
Equations of motion
Hydrodynamic equations
Hydrostatics

Hydrostatic pressure
SN: Before 1982 search WATER PRESSURE
UF: Pressure (water)
Water pressure
BT: Pressure
NT: Bottom pressure
RT: Decompression
High pressure effects
Hydraulic systems
Hydrostatics
Isobaric surfaces
Pore pressure
Pressure effects
Pressure field
Water
Water density

Hydrostatic reactions
USE: Hydrostatic behaviour

Hydrostatics
BT: Fluid mechanics
RT: Hydrodynamics
Hydrostatic equation
Hydrostatic pressure
Pressure gradients

Hydrothermal activity
SN: Before 1982 search also HYDROTHERMAL SYSTEMS
UF: Hydrothermal processes
Hydrothermal systems
NT: Basalt-seawater interaction
RT: Geothermal energy
Hydrothermal alteration
Hydrothermal deposits
Hydrothermal fields
Hydrothermal flow
Hydrothermal solutions
Hydrothermal springs

Hydrothermal alteration
SN: Changes in the mineralogic composition of rock brought about by the action of hydrothermal solutions
UF: Geothermal alteration
Hydrothermal metamorphism
BT: Metamorphism
RT: Basalt-seawater interaction
Hydrothermal activity
Hydrothermal solutions
Metasomatism
Mineral composition
Serpenitization

Hydrothermal areas
USE: Hydrothermal fields
Hydrothermal circulation
USE: Hydrothermal flow

Hydrothermal deposits
UF: Hydrothermal sediments
BT: Chemical sediments
RT: Hydrothermal activity
Hydrothermal fields
Hydrothermal solutions
Hydrothermal springs
Metalliferous sediments
Sulphide deposits

Hydrothermal energy
USE: Geothermal power

Hydrothermal fields
UF: Geothermal fields
Hydrothermal areas
BT: Fields
RT: Hydrothermal activity
Hydrothermal deposits
Hydrothermal springs

Hydrothermal flow
SN: Before 1982 search
HYDROTHERMAL CIRCULATION
UF: Hydrothermal circulation
BT: Fluid flow
RT: Hydrothermal activity
Hydrothermal springs

Hydrothermal fluids
USE: Hydrothermal solutions

Hydrothermal metamorphism
USE: Hydrothermal alteration

Hydrothermal processes
USE: Hydrothermal activity

Hydrothermal sediments
USE: Hydrothermal deposits

Hydrothermal solutions
UF: Geothermal fluids
Hydrothermal fluids
Hydrothermal waters
BT: Solutions
RT: Hot brines
Hydrothermal activity
Hydrothermal alteration
Hydrothermal deposits
Hydrothermal springs
Pore water

Hydrothermal springs
UF: Hydrothermal vents
Thermal springs (hydrothermal)
Vents (hydrothermal)
BT: Geothermal springs
RT: Hot springs
Hydrothermal activity
Hydrothermal deposits
Hydrothermal fields
Hydrothermal flow
Hydrothermal solutions

Hydrothermal systems
USE: Hydrothermal activity

Hydrothermal vents
USE: Hydrothermal springs

Hydrothermal waters
USE: Hydrothermal solutions

Hydroxides
BT: Hydrogen compounds

Hydroxyamines
BT: Amines

Hygiene
SN: Hygienic practices and precautions for public health
RT: Diseases
Public health
Sanitary engineering

Hygrometers
UF: Humidity sensors
BT: Measuring devices
RT: Humidity
Hygrometry
Water vapour

Hygrometry
UF: Humidity measurement
BT: Measurement
RT: Earth atmosphere
Humidity
Hygrometers
Lidar
Water content
Water vapour

Hyperbaric
SN: Used only as qualifier
RT: Decompression chambers
High pressure effects
Hydrostatic pressure

Hyperbaric chambers
USE: Decompression chambers

Hypercapnia
UF: Carbon dioxide poisoning
BT: Human diseases
RT: Asphyxia
Blood
Carbon dioxide
Mortality causes
Underwater medicine

Hyperthermia
RT: Body temperature
Diving hazards
Diving physiology
Hypothermia
Underwater medicine

Hypertrophy
RT: Eutrophication
Nutrients (mineral)

Hypolimnion
UF: Deep layers (lakes)
RT: Deep layer
Deep water
Epilimnion
Metalimnion
Sagittarian
Thermal stratification
Thermocline
Water column

Hyposesis
USE: Induced breeding

Hypophysectomy
BT: Organ removal
RT: Pituitary gland

Hypophysis
USE: Pituitary gland

Hypothalamus
BT: Brain

Hypothermia
BT: Human diseases
RT: Body temperature
Diving physiology
Hyperthermia
Mortality causes
Survival at sea
Underwater medicine

Hypoxia
UF: Oxygen poisoning
BT: Human diseases
RT: Anoxia
Oxygen consumption
Oxygen depletion
Underwater medicine

Hypsographic curves
USE: Hypsometric curves

Hypsometric curves
UF: Hypsographic curves
BT: Graphs
RT: Area
depth
Height
Morphometry

Hypsometry
RT: Atmospheric pressure
Sea level
Ice
SN: Use for ice in the environment or as a preservative
UF: Sludge (ice)
NT: Floating ice
Freshwater ice
Glaciers
Lake ice
Land ice
Sea ice
RT: Air-ice interface
Cryosphere
Ice breakup
Ice cover
Ice fishing
Ice prevention
Ice properties
Ice ridges
Ice thickness
Ice volume
Ice-oil interface
Ice-water interface
Icing
Navigation in ice
Snow
Water

Ice accretion
BT: Accretion
NT: Icing
RT: Ablation
Ice volume

Ice ages
UF: Glacial periods
RT: Glacial erratics
Glaciation
Ice volume
Palaeoclimatic
Pleistocene

Ice barriers
SN: Protection for offshore structures subject to floating ice
BT: Barriers
RT: Ice loads
Pack ice

Ice breakers
BT: Ships
RT: Ice breaking
Ice breakup
Navigation in ice

Ice breaking
RT: Ice breakers
Ice breakup
Navigation in ice
Sea ice

Ice breakup
RT: Ice
Ice breakers
Ice breaking
Ice formation
Ice jams
Ice melting
Ice-free periods
Navigation in ice

Ice canopy
UF: Submarine ice profiles
Underwater ice profiles
RT: Ice-water interface
Pack ice
Polynyas

Ice caps
UF: Ice mantle
Ice sheets
BT: Land ice
RT: Ablation
Air-ice interface
Cryosphere
Floating ice
Ice cover
Ice thickness
Ice volume

Ice charts
BT: Hydrographic charts
RT: Ice charts
Ice cover
Ice edge
Ice observations
Ice routing

Ice clearings
USE: Polynyas

Ice conditions
RT: Ice charts
Ice cover
Weather

Ice control
USE: Ice prevention

Ice cover
RT: Ice
Ice caps
Ice charts
Ice conditions
Ice edge
Ice volume
Ice-free periods
Palaeoclimatic
Winterkill

Ice drift
UF: Drift (ice)
Ice movement
BT: Drift
RT: Glacial deposits
Ice islands
Icebergs
Pack ice
Rafting
Wind stress

Ice edge
UF: Ice limit
RT: Ice charts
Ice cover

Ice fields
BT: Fields
RT: Pack ice
Sea ice

Ice fishing
SN: Fishing through holes cut in the ice
BT: Fishing
RT: Bait fishing
Ice Sport fishing

Ice floes
USE: Pack ice

Ice forces
USE: Ice loads

Ice forecasting
BT: Prediction

Ice formation
RT: Freezing
Ice breakup
Ice nuclei
Ice-water interface
Icing
Sublimation

Ice fronts
RT: Ice shelves

Ice islands
BT: Floating ice
RT: Ablation
Artificial islands
Drifting stations
Ice drift
Ice rafts
Ice shelves
Islands

Ice jams
RT: Floating ice
Ice breakup
Ice loads
Ice pressure
Navigation in ice

Ice keels
Ice leads
USE: Leads
Ice limit
USE: Ice edge

Ice loads
UF: Ice forces
BT: Loads (forces)
RT: Ice barriers
Ice jams
Ice pressure
Ice prevention
Sea walls
Ice mantle
USE: Ice caps

Ice melting
SN: Used for melting of ice and snow on land and in frozen soil. For thawing of frozen fishery products, use THAWING. For preventing and removing rime and glaze from decks, superstructures, equipment, etc., use DEICING
BT: Melting
RT: Ablation
Deicing
Ice breakup
Melt water
Thawing

Ice movement
USE: Ice drift

Ice navigation
USE: Navigation in ice

Ice nuclei
RT: Ice formation
Nuclei

Ice observations
UF: Ice reporting
RT: Hydrographic data
Ice charts
Iceberg detection

Ice pressure
RT: Ice jams
Ice loads

Ice prevention
UF: Ice control
RT: Deicing
Deicing equipment
Heating
Ice
Ice loads

Ice properties
BT: Properties
RT: Dielectric constant
Ice
Thermal conductivity

Ice rafting
SN: Transport of sediments by ice
BT: Rafting
RT: Glacial erratics
Glacial transport
Ice rafts
Palaecocurrents
Sea ice

Ice rafts
BT: Artificial islands
RT: Floating structures
Ice islands
Ice rafting

Ice reporting
USE: Ice observations

Ice ridges
RT: Ice
Ice thickness

Ice routeing
BT: Ship routeing
RT: Ice charts
Navigation in ice

Ice scouring
USE: Iceberg scouring

Ice sheets
USE: Ice caps

Ice shelves
BT: Floating ice
RT: Ablation
Calving
Fast ice
Ice fronts
Ice islands
Ice thickness

Ice thickness
BT: Thickness
RT: Ice
Ice caps
Ice ridges
Ice shelves

Ice volume
SN: Estimates of total volume of ice caps, glaciers, sea ice, etc. in the cryosphere
BT: Volume
RT: Ablation
Cryosphere
Glaciers
Ice
Ice accretion
Ice ages
Ice caps
Ice cover
Water budget

Ice-air interface
USE: Air-ice interface

Iceberg detection
BT: Detection
RT: Ice observations
Icebergs
Warning services

Iceberg scour marks
USE: Ploughmarks

Iceberg scouring
UF: Ice scouring
BT: Scouring
RT: Bed forms
Glacial erosion
Ploughmarks

Icebergs
UF: Calved ice
Tabular bergs
BT: Floating ice
RT: Ablation
Calving
Glaciers
Ice drift
Iceberg detection
Melt water

Ice-free periods
RT: Ice breakup
Ice cover
Navigation in ice

Ice-oil interface
UF: Oil-ice interface
BT: Interfaces
RT: Ice
Oil pollution
Oil spills

Ice-rafted detritus
USE: Glacial erratics

Ice-water interface
UF: Water-ice interface
BT: Interfaces
RT: Heat exchange
Ice
Ice canopy
Ice formation

Ichthyocides
UF: Piscicides
Polychloropinene
BT: Pesticides
RT: Molluscicides

Ichthyofauna
USE: Fish

Ichthyologists
UF: Fish scientists
BT: Zoologists
RT: Fishery biologists
Ichthyology
Taxonomists

Ichthyology
BT: Vertebrate zoology
RT: Biogeography
Fish
Fish physiology
Fishery biology
Hydrobiology
Ichthyologists

Ichthyoplankton
BT: Zooplankton
RT: Fish eggs
Fish larvae
Ichthyoplankton surveys
Meroplankton
Ichthyoplankton surveys
BT: Plankton surveys
RT: Fishery surveys
Ichthyoplankton

Icing
SN: Formation of ice on ships and offshore structures by freezing of spray on impact
BT: Ice accretion
Weather hazards
RT: Deicing
Deicing equipment
Freezing
Ice
Ice formation

ICZM
USE: Integrated coastal zone management

Identification
NT: Pollutant identification
RT: Detection
Identification keys
Inspection
Tracking

Identification keys
UF: Keys
Taxonomic keys
RT: Check lists
Identification
Taxonomy

Igneous dikes
BT: Igneous intrusions
RT: Batholiths
Igneous rocks

Igneous intrusions
UF: Intrusions (igneous)
NT: Batholiths
Igneous dikes
RT: Diapirism
Magma chambers
Plutons

Igneous rocks
BT: Rocks
NT: Gabbros
Granite
Plutons
Ultramafic rocks
Volcanic rocks
RT: Batholiths
Igneous dikes
Magma

Illegal fishing
RT: Exclusive economic zone
Fishery disputes
Fishery protection

Ilite
BT: Clay minerals

Illumination
USE: Lighting systems

Illustrations
UF: Drawings
Zoological drawings
BT: Graphics

Ilmenite
BT: Oxide minerals
RT: Placeers
Titanium

Image enhancement
BT: Imaging techniques
RT: Imagery
Pattern recognition

Image processing
RT: Imagery
Imaging techniques
Image sensors
USE: Remote sensing equipment

Imagery
UF: Images
NT: Acoustic imagery
Infrared imagery
Microwave imagery
Photography
RT: Image enhancement
Image processing
Imaging techniques
Remote sensing

Images
USE: Imagery

Imageing
USE: Imaging techniques

Imaging techniques
UF: Imaging
NT: Image enhancement
RT: Image processing
Imagery
Tomography

Immersion effects
RT: Light measurement

Immigrations
BT: Migrations

Immobilization
RT: Mobility

Immune response
USE: Immunity

Immunity
SN: The ability of an animal or plant to resist and/or overcome harmful infection or agents
UF: Immune response
Innate immunity

Natural immunity
BT: Biological properties
RT: Antibodies
Defence mechanisms
Disease resistance
Immunization
Immunooassays
Immunology

Immunization
SN: The process of rendering an animal resistant to infection or harmful agents
NT: Vaccination
RT: Bacterial diseases
Immunity
Immunology
Protozoan diseases
Viral diseases

Immunooassays
RT: Bioassays
Immunity

Immunococontraception
SN: Use of the body’s natural immune defence mechanisms to control or prevent conception and pregnancy by triggering an anti body response to the species own sex cells (i.e. to render the organism infertile)

Immunofluorescence
RT: Fluorescence

Immunology
RT: Allergic reactions
Antibodies
Diseases
Immunity
Immunization
Immunoprecipitation
Medicine
Serological studies
Therapy
Toxicity

Immunoprecipitation
RT: Antibodies
Antigens
Immunology
Vaccination
Vaccines

Impact (waves)
USE: Wave forces

Impacts
USE: Collisions

Impaling gear
USE: Wounding gear

Impedance
NT: Acoustic impedance
Electric impedance
Impingement
SN: Trapping of aquatic organisms by power plant screens
UF: Fish impingement
Power plant impingement
RT: Entrainment

Implosions
RT: Explosions
High pressure effects

Imports
USE: Trade

Imposex
SN: Development of male sex organs on the female
RT: Animal reproductive organs
Hermaphroditism

Impounding lakes
USE: Water reservoirs

Impoundments
RT: Dams
Lakes

Impressed currents
BT: Electric currents
RT: Cathodic protection

Imprinting
SN: A learning process in animals, especially birds
UF: Odour imprinting
BT: Learning behaviour
RT: Aquatic birds

Improved products
USE: New products

In situ density
BT: Water density
RT: In situ measurements
In situ temperature
Potential density
Salinity
Sigma-T
Thermocline anomalies
Water masses

In situ instrumentation
USE: In situ measurements

In situ measurements
UF: In situ instrumentation
RT: In situ density
In situ temperature

In situ temperature
BT: Water temperature
RT: In situ density
In situ measurements
Sigma-T

Inbreeding
SN: Breeding within the descendants of a foundation stock of related animals
BT: Breeding

Incineration
UF: Incinerators
RT: Waste disposal

Incinerators
USE: Incineration

Inclinometers
USE: Slope indicators

Incubation
UF: Incubation time
RT: Eggs
Hatcheries
Hatching
Incubators

Induced breeding
SN: Spawning or breeding under artificial conditions using physiological techniques and/or biological products
UF: Artificial fecundation
Artificial spawning
Hypophysation
Induced ovulation
Induced spawning
BT: Breeding
RT: Aquaculture techniques

Induced ovulation
USE: Induced breeding

Induced spawning
USE: Induced breeding

Industrial effluents
USE: Industrial wastes

Industrial fish
USE: Trash fish

Industrial land use
USE: Land use

Industrial production
UF: Production (industrial)
RT: Industrial products
Industries
Production cost
Production management

Industrial products
BT: Products
RT: Byproducts
Industrial production
Industries
New products

Industrial products statistics
SN: Restricted to statistics of processed products derived from fishery industry
UF: Commodity statistics
Fishery products statistics
BT: Fishery statistics

Industrial wastes
SN: Before 1982 for non-organic domestic wastes search also DOMESTIC WASTES
UF: Industrial effluents
BT: Wastes
RT: Chemical pollutants
Hazardous materials
Industries
Oil wastes
Phenols
Sewage
Waste water

Industrialization
RT: Industries
Industries
SN: Use of a more specific term is recommended
UF: Industry
NT: Aquaculture enterprises
Diving industry
Fishery industry
Forest industry
Mineral industry
Oil and gas industry
Seaweed industry
RT: Industrial production
Industrial products
Industrial wastes
Industrialization

Industries
USE: Industries

Inert gases
USE: Rare gases

Inertia
UF: Inertial forces
RT: Forces
Froude number
Inertial oscillations
Inertial waves
Motion
Rossby number

Inertial currents
BT: Water currents

Inertial forces
USE: Inertia

Inertial guidance
RT: Inertial navigation

Inertial navigation
BT: Navigation
Position fixing
RT: Celestial navigation
Dead reckoning
Inertial guidance
Navigation under ice
Navigation underwater

Inertial oscillations
RT: Inertia
Inertial waves

Inertial waves
UF: Gyroscopic waves
BT: Water waves
RT: Inertia
Inertial oscillations

Infections
USE: Infectious diseases

Infectious diseases
UF: Biotic diseases
Communicable diseases
Contagious diseases
Infections

Information services
UF: Documentation services
Information analysis services
RT: Information centres
Information systems

Information systems
NT: Decision support systems
GIS
RT: Information handling
Information retrieval
Information services

Infrared detectors
BT: Radiometers
RT: Infrared imaging
Infrared radiation
Lasers
Remote sensing

Infrared imagery
UF: Infrared sensing
IR imagery
Thermal imagery
Thermal infrared imagery
Thermal IR imagery
BT: Imagery
RT: Infrared detectors
Infrared radiation
Satellite mosaics
Satellite sensing

Information analysis services
USE: Information services

Information centres
SN: Before 1995 search also DATA CENTRES
UF: Data centres
BT: Organizations
NT: Libraries
Museums
Warning services
RT: Information handling
Information retrieval
Information services

Information handling
SN: Control of literature and information
RT: Information centres
Information systems

Information retrieval
SN: Location of required information previously classified and stored. Before 1995 search also DATA RETRIEVAL
UF: Data retrieval
RT: Information centres
Information systems

Inhibitors
SN: Chemicals used to slow down reactions
BT: Agents
NT: Enzyme inhibitors
RT: Anaesthetics
Catalysts
Drugs
Growth regulators

Ingestion
RT: Animal nutrition
Digestion

Infections
USE: Infectious diseases

Infectious diseases
UF: Biotic diseases
Communicable diseases
Contagious diseases
Infections

Influenza
USE: Infections

Infinitesimal waves
USE: Linear waves

Inflammation
RT: Inflammation

Information analysis services
USE: Information services

Information centres
SN: Before 1995 search also DATA CENTRES
UF: Data centres
BT: Organizations
NT: Libraries
Museums
Warning services
RT: Information handling
Information retrieval
Information services

Information handling
SN: Control of literature and information
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Information retrieval
SN: Location of required information previously classified and stored. Before 1995 search also DATA RETRIEVAL
UF: Data retrieval
RT: Information centres
Information systems

Information scientists
UF: Information specialists
BT: Scientific personnel
RT: Librarians

Initial value problems
USE: Boundary value problems

Injection temperature
USE: Intake temperature
Injuries
SN: Used for injuries to man or animals. Before 1986 search also WOUNDS
UF: Fishing injuries
Wounds
RT: Accidents
Hazards
Lesions
Necroses

Injurious organisms
USE: Noxious organisms

Inland fisheries
BT: Fisheries
NT: Lagoon fisheries
Lake fisheries
Reservoir fisheries
River fisheries
Swamp fisheries
RT: Freshwater fish

Inland lagoons
UF: Freshwater lagoons
BT: Inland waters
Lagoons
RT: Lenitic environment

Inland seas
SN: Use for Great Lakes, Caspian, Aral Sea and other large inland bodies of water
BT: Inland waters
RT: Lakes

Inland water aquaculture
USE: Freshwater aquaculture

Inland water environment
UF: Freshwater environment
BT: Aquatic environment
NT: Lenitic environment
Lotic environment
RT: Brackishwater environment
Eutrophic waters
Freshwater ecology
Freshwater fish
Inland waters

Inland waters
SN: Use of a more specific term is recommended
UF: Inland waterways
BT: Water bodies
NT: Canals
Inland lagoons
Inland seas
Lakes
Ponds
Rivers
Water reservoirs
Wetlands
RT: Hydrosphere
Inland water environment

Inlets (waterways)
BT: Coastal inlets
RT: Bays
Canals
Channels
Estuaries
Fjords

Innate immunity
USE: Immunity

Innovation processes
USE: Technology transfer

Inorganic acids
BT: Acids
Hydrogen compounds
NT: Boric acid
Chloric acid
Nitrile acids
Phosphoric acid
Silicic acid
Sulphuric acid
RT: Chemical compounds
Inorganic compounds
Organic acids

Inorganic carbon
BT: Carbon
Inorganic matter
NT: Dissolved inorganic carbon

Inorganic compounds
BT: Chemical compounds
RT: Inorganic acids
Inorganic matter

Inorganic matter
NT: Dissolved inorganic matter
Inorganic carbon
Suspended inorganic matter
RT: Inorganic compounds

Inorganic suspended matter
USE: Suspended inorganic matter

Insect eggs
BT: Eggs
RT: Aquatic insects
Insect larvae
Nymphs

Insect larvae
BT: Invertebrate larvae
NT: Instars
Nymphs
Pupae
RT: Aquatic insects
Insect eggs

Insecticide resistance

Insecticides
BT: Pesticides
RT: Aldrin
Dieldrin
Lindane
PCB
Repellents

Inspection
USE: Detection
Identification
Maintenance and repair
Testing

Instability
UF: Dynamic instability
NT: Baroclinic instability
Barotropic instability
Benjamin-Feir instability
Double diffusive instability
Kelvin-Helmholtz instability
Static instability
RT: Capsizing
Richardson number
Stability
Unsteady state

Installation
SN: Before 1984 search also INSTALLING
UF: Installing
BT: Construction
RT: Removal

Installing
USE: Installation

Inlets (waterways)
BT: Coastal inlets
RT: Bays
Canals
Channels
Estuaries
Fjords

Innate immunity
USE: Immunity

Innovation processes
USE: Technology transfer

Inorganic acids
BT: Acids
Hydrogen compounds
NT: Boric acid
Chloric acid
Nitrile acids
Phosphoric acid
Silicic acid
Sulphuric acid
RT: Chemical compounds
Inorganic compounds
Organic acids

Inorganic carbon
BT: Carbon
Inorganic matter
NT: Dissolved inorganic carbon

Inorganic compounds
BT: Chemical compounds
RT: Inorganic acids
Inorganic matter

Inorganic matter
NT: Dissolved inorganic matter
Inorganic carbon
Suspended inorganic matter
RT: Inorganic compounds

Inorganic suspended matter
USE: Suspended inorganic matter

Insect eggs
BT: Eggs
RT: Aquatic insects
Insect larvae
Nymphs

Insect larvae
BT: Invertebrate larvae
NT: Instars
Nymphs
Pupae
RT: Aquatic insects
Insect eggs

Insecticide resistance

Insecticides
BT: Pesticides
RT: Aldrin
Dieldrin
Lindane
PCB
Repellents

Inspection
USE: Detection
Identification
Maintenance and repair
Testing

Instability
UF: Dynamic instability
NT: Baroclinic instability
Barotropic instability
Benjamin-Feir instability
Double diffusive instability
Kelvin-Helmholtz instability
Static instability
RT: Capsizing
Richardson number
Stability
Unsteady state

Installation
SN: Before 1984 search also INSTALLING
UF: Installing
BT: Construction
RT: Removal

Installing
USE: Installation
Instars
BT: Insect larvae

Instinct
RT: Behaviour
Biological properties

Institutional resources
BT: Resources
RT: Organizations

Institutions (financial)
USE: Financial institutions

Institutions (research)
USE: Research institutions

Instrument carriers
USE: Instrument platforms

Instrument depth measurement
BT: Depth measurement
RT: Instruments

Instrument handbooks
USE: Manuals

Instrument platforms
UF: Instrument carriers
Observation platforms
Platforms (instrument)
Wave followers
Wave slope followers
NT: Stabilized platforms

Instrument resolutions
USE: Resolution

Instrument responses
NT: Dynamic response
RT: Instruments

Instruments
BT: Equipment
NT: Accelerometers
Direction indicators
Free-fall instruments
Gyrosopes
Meteorological instruments
Profilers
RT: Instrument depth measurement
Instrument responses
Measuring devices

Instruments (acoustic)
USE: Acoustic equipment

Insular slope
USE: Island slope

Insulating materials
UF: Insulation
Lagging
BT: Materials
NT: Acoustic insulation
Electrical insulation
Thermal insulation
RT: Asbestos
USE: Insulating materials

Insulation

Insulin
SN: Before 1982 search
HORMONES
BT: Hormones
RT: Pancreas
Proteins

Insurance
UF: Marine insurance
RT: Financing
Liability
Risks

Intake temperature
UF: Injection temperature
BT: Surface temperature

Integral equations
BT: Equations
RT: Differential equations
Nonlinear equations
Numerical analysis

Integrated agriculture
USE: Agropisciculture

Integrated coastal zone management
SN: The process of combining all aspects of the human, physical and biological aspects of the coastal zone within a single management framework
UF: ICZM
BT: Coastal zone management

Integumentary system
BT: Anatomical structures
NT: Feathers
RT: Epithelia
Scales

Intensive aquaculture
USE: Intensive culture

Intensive culture
BT: Aquaculture techniques
RT: Cage culture
Fish culture
Hybrid culture
Monosex culture
Polyculture
Raceway culture
Selective breeding
Shellfish culture
Silo culture

Intentional inundation
USE: Flooding

Interarc basins
USE: Marginal basins

Interbreeding
USE: Hybridization

Intercalibration
BT: Calibration
RT: Intercomparison
Performance assessment

Intercomparison
RT: Intercomparison
Performance assessment
Standardization
Testing

Interdependent species
USE: Associated species

Interface phenomena
SN: Interface strata and their phenomena
NT: Frontogenesis
RT: Dead water
Energy budget
Interfaces
Interfacial waves
Salt fingers
Surface properties
Surface tension

Interfaces
NT: Air-ice interface
Air-water interface
Density interfaces
Ice-oil interface
Ice-water interface
Oil-gas interface
Oil-water interface
Sediment-water interface
RT: Boundaries
Boundary layers
Discontinuity layers
Fronts
Interface phenomena
Mixing processes
Surfaces

Interfacial tension
USE: Surface tension

Interfacial waves
RT: Interface phenomena
Internal waves
Surface water waves

Interferometry
BT: Analytical techniques

Interglacial periods
RT: Deglaciation
Palaeoclimate
Pleistocene
**Intermediate fishing**  
SN: Fishing carried out in a fish pond during growing season to decrease the density of a stock or to obtain marketable fish  
BT: Fishing

Intermediate hosts  
USE: Hosts

Intermediate water masses  
BT: Water masses  
RT: Metalimnion  
Thermal stratification

Internal fertilization  
USE: Biological fertilization

Internal gravity waves  
USE: Internal waves

**Internal tides**  
UF: Baroclinic tides  
BT: Internal waves  
RT: Baroclinic mode  
Baroclinic motion

Internal wave breaking  
BT: Wave breaking  
RT: Internal waves  
Trans-isopycnal mixing

Internal wave effects  
RT: Dead water  
Sound propagation

Internal wave generation  
BT: Wave generation  
RT: Internal waves  
Surface wave-internal wave interactions

Internal waves  
UF: Internal gravity waves  
BT: Water waves  
NT: Internal tides  
Lee waves  
RT: Billows  
Directional spectra  
Interfacial waves  
Internal wave breaking  
Internal wave generation  
Nonlinear waves  
Resonant wave interaction  
Surface wave-internal wave interactions

International agencies  
USE: International organizations

International agreements  
UF: Agreements  
Conventions  
Treaties  
NT: Bilateral agreements  
Pollution convention  
Seabed conventions

International allocation  
USE: Allocation systems

International boundaries  
UF: Frontiers (national)  
National boundaries  
BT: Boundaries  
RT: Territorial waters

International case law  
USE: International law

International cooperation  
SN: Including exchange of information and technical aid  
UF: International exchange  
International relations  
RT: Development projects  
International organizations  
International policy  
Technology transfer

International exchange  
USE: International cooperation

International expeditions  
USE: Multiship expeditions

International joint ventures  
USE: Joint ventures

International law  
UF: International case law  
NT: Law of the sea  
RT: Disputes  
International agreements

International law of the sea  
USE: Law of the sea

International organisations  
USE: International organizations

International organizations  
UF: International agencies  
International organisations  
BT: Organizations  
RT: International cooperation  
International policy

International policy  
UF: Policy (international)  
BT: Policies  
RT: International agreements  
International cooperation  
International organizations

International relations  
USE: International cooperation

International sea area  
USE: International waters

International trade  
USE: Trade

International waters  
UF: International sea area  
BT: Ocean space  
RT: High seas

Internet  
SN: Interconnected system of networks that connects computers around the world via the TCP/IP protocol.  
UF: World Wide Web  
WWW

Interoccean canals  
BT: Canals  
RT: Ship canals

Interoceptors  
USE: Receptors

Interspecific interactions  
USE: Interspecific relationships

Interspecific relationships  
UF: Interspecific interactions  
NT: Commensalism  
Competition  
Epibiosis  
Parasitism  
Predation  
Symbiosis  
RT: Associated species  
Behaviour  
Biological phenomena  
Biotic factors  
Intraspecific relationships  
Trophic relationships

Interstitial environment  
BT: Aquatic environment  
RT: Benthic environment  
Benthos  
Pore water

Intertidal environment  
UF: Tidal environment  
BT: Marine environment  
RT: Air exposure  
Beaches  
Benthic environment  
Ecological zonation  
Eulittoral zone  
Exposed habitats  
Intertidal sedimentation  
Tidal flats  
Tidal pools  
Tidal waves

Intertidal flats  
USE: Tidal flats
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**Intertidal sedimentation**
BT: Sedimentation  
RT: Estuarine sedimentation  
Intertidal environment  
Nearshore sedimentation  
Tidal deposits  
Tidal flats

**Intertidal zonation**  
USE: Ecological zonation

**Intertropical convergence zone**
BT: Atmospheric convergences  
Convergence zones  
RT: Equatorial trough

**Intestines**
BT: Alimentary organs  
RT: Cloaca  
Pyloric caeca

**Intraspecific relationships**
UF: Intraspecific selection  
RT: Associated species  
Behaviour  
Biological phenomena  
Interspecific relationships  
Trophic relationships

**Introduced species**
SN: Establishment in a new geographical area of a species by migration or artificial transportation  
UF: Alien species  
BT: Species  
RT: Colonies  
Colonization  
Domestic species  
Endemic species  
Transplantation

**Intrusions (igneous)**  
USE: Igneous intrusions

**Inundation**  
USE: Flooding

**Inundation (irrigation)**  
USE: Irrigation

**Inventories**
UF: Data catalogues  
BT: Catalogues  
RT: Data collections

**Inversion layers**  
USE: Inversions

**Inversions**
UF: Inversion layers  
NT: Temperature inversions  
RT: Layers

**Invertebrate larvae**
SN: Use of a more specific term is recommended  
BT: Larvae  
NT: Crustacean larvae  
Insect larvae  
Molluscan larvae

**Invertebrate zoology**
BT: Zoology  
NT: Carcinology  
Entomology  
Malacology

**Investments**
UF: Capital investments  
RT: Financing

**Iodates**
BT: Iodine compounds  
RT: Halides

**Iodides**
BT: Iodine compounds  
RT: Iodides  
Iodates  
Iodined hydrocarbons  
Iodine  
Iodine compounds  
BT: Halogen compounds  
NT: Iodates  
Iodides  
Iodinated hydrocarbons  
RT: Iodine

**Iodine isotopes**
BT: Iodine compounds  
RT: Iodine isotopes

**Iodine transport**
BT: Biological membranes  
Diffusion  
Electrolysis  
Ion accumulation  
Ion exchange  
Ions  
Osmoregulation

**Ion association**
RT: Chemical reactions  
Ions

**Ion channels**
SN: Pore-forming proteins (present in the membranes of all biological cells) that help establish the small voltage gradient that exists across the membrane of all living cells by allowing the flow of ions down their electrochemical gradient.  
BT: Cell membranes

**Ion exchange**
UF: Anion exchange  
Cation exchange  
BT: Separation processes  
RT: Biological membranes  
Chemical reactions  
Demineralization  
Diffusion  
Ion accumulation  
Ion transport  
Water purification  
Water treatment

**Ion pairs**
RT: Ions

**Ion pumps**  
USE: Ion transport

**Ion selective electrode analysis**  
BT: Analytical techniques

**Ion transport**
UF: Ion pumps  
RT: Biological membranes  
Diffusion  
Electrolysis  
Ion accumulation  
Ion exchange  
Ions  
Osmoregulation

**Ionizing radiation**
BT: Radiations  
NT: Cosmic radiation  
Nuclear radiations  
RT: Irradiation  
Radioactivity  
Sterilization

**Ions**
NT: Anions  
Cations  
Hydrogen ions  
Metal ions  
RT: Exchange capacity  
Hydrates  
Ion accumulation  
Ion association  
Ion pairs  
Ion transport  
Ligands  
Osmoregulation

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147
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IR imagery
USE: Infrared imagery

Iridium
BT: Heavy metals
RT: Iridium isotopes

Iridium isotopes
BT: Isotopes
RT: Iridium

Iron
BT: Heavy metals
Transition elements
RT: Ferromanganese nodules
Ferromanganese oxides
Iron compounds
Iron isotopes
Ironstone
Metalliferous sediments

Iron compounds
UF: Ferric compounds
Ferrous compounds
BT: Chemical compounds
NT: Iron oxides
Iron phosphates
Iron silicates
Iron sulphides
RT: Iron

Iron isotopes
BT: Isotopes
RT: Iron

Iron oxides
BT: Iron compounds
Oxides
RT: Haematite
Magnetite

Iron phosphates
UF: Ferric phosphate
BT: Iron compounds
Phosphates

Iron silicates
BT: Iron compounds
Silicates

Iron sulphides
BT: Iron compounds
Sulphides

Ironstone
BT: Authigenic minerals
RT: Ferruginous deposits
Iron
Sedimentary rocks

Irradiance
SN: Flux density of radiant energy in water
NT: Downward irradiance
Upward irradiance
RT: Cosine collectors
Irradiance meters

Irradiance meters
BT: Light measuring instruments
RT: Irradiance
Quanta meters

Irradiation
UF: Irradiation (fishery products)
RT: Ionizing radiation
Radiochemistry
Radiography

Irradiation (acoustic waves)
USE: Insinification

Irradiation (fishery products)
USE: Irradiation

Irregular waves
BT: Water waves

Irrigation
UF: Flooding (irrigation)
Inundation (irrigation)
RT: Agriculture
Irrigation water
Water rights
Irrigation canals
USE: Canals

Irrigation water
BT: Water
RT: Irrigation
Riparian rights
Water policy
Water reservoirs
Water rights

Irrotational flow
USE: Potential flow
Isentropic analysis
USE: Analytical techniques

Island arcs
UF: Arcs (island)
RT: Continental margins
Continents
Converging plate boundaries
Forearc basins
Islands
Marginal basins
Oceanic trenches
Plate convergence
Subduction
Volcanic islands
Volcanism

Island slope
UF: Insular slope
BT: Slopes (topography)
Submarine features
RT: Continental slope
Islands

Islands
BT: Landforms
NT: Atolls
Barrier islands
Cays
Oceanic islands
RT: Archipelagoes
Artificial islands
Ice islands
Island arcs
Island slope

Isobaric surfaces
BT: Surfaces
RT: Baroclinic mode
Barotropic mode
Dynamic height anomaly
Dynamic topography
Hydrostatic pressure
Isopycnic surfaces
Level of no motion
Pressure field

Isobars
USE: Isopleths

Isobaths
UF: Depth contours
BT: Contours
RT: Bathymetric charts
Bathymetry
Bottom topography
Water depth

Isodynamic enzymes
USE: Enzymes

Isoenzymes
UF: Isozymes
BT: Enzymes

Isohalines
BT: Isopleths
RT: Environmental charts
Halocline
Mixed layer
Salinity
Salinity charts
Salinity sections

Isohyets
USE: Isopleths

Isolating mechanisms
SN: Methods that prevent breeding between populations, so that the genes of each do not mix
NT: Genetic isolation
Geographical isolation
Sexual isolation
RT: Biological speciation
  Population genetics

Isolation (genetics)
USE: Genetic isolation

Isolation (geographical)
USE: Geographical isolation

Isolation (sexual)
USE: Sexual isolation

Isolines
USE: Isopleths

Isomerases
BT: Enzymes

Isomerization
BT: Chemical reactions

Isopach maps
BT: Geological maps
RT: Stratigraphy

Isopachs
USE: Isopleths

Isopleths
UF: Coamplitude lines
  Corange lines
  Isobars
  Isobetas
  Isolines
  Isopachs
BT: Map graphics
NT: Contours
  Cotidal lines
  Isohalines
  Isopycnics
  Isotherms
RT: Graphs

Isopycnic surfaces
BT: Surfaces
RT: Baroclinic mode
  Barotropic mode
  Isobaric surfaces
  Isopycnics
  Water density

Isopycnics
BT: Isopleths
RT: Density charts
  Density fronts
  Isopycnic surfaces
  Pycnocline
  Specific volume
  Water density

Isostasy
UF: Compensation depth (isostasy)
  Isostatic adjustment
  Isostatic compensation
  Isostatic equilibrium
BT: Crustal adjustment
RT: Asthenosphere
  Earth crust
  Equilibrium
  Geodesy
  Vertical tectonics
  Isostatic adjustment
USE: Isostasy
  Isostatic compensation
USE: Isostasy
  Isostatic equilibrium
USE: Isostasy

Isostatic sea level
BT: Steric sea level

Isothermal processes
NT: Adiabatic processes
RT: Thermodynamics
  Thermosteric anomalies

Isotermal processes
UF: Temperature contours
BT: Isopleths
RT: Air temperature
  Environmental charts
  Temperature charts
  Temperature sections
  Thermocline
  Water temperature
  Isotope dating
USE: Radiometric dating

Isotope dilution
BT: Tracer techniques
RT: Isotopes

Isotope fractionation
RT: Isotopes

Isotopes
UF: Nuclides
NT: Americium isotopes
  Antimony isotopes
  Argon isotopes
  Barium isotopes
  Beryllium isotopes
  Bismuth isotopes
  Boron isotopes
  Bromine isotopes
  Cadmium isotopes
  Caesium isotopes
  Calcium isotopes
  Californium isotopes
  Carbon isotopes
  Cerium isotopes
  Chlorine isotopes
  Chromium isotopes
  Cobalt isotopes
  Curium isotopes
  Europium isotopes
  Germanium isotopes
  Hafnium isotopes
  Helium isotopes
  Hydrogen isotopes
  Iodine isotopes
  Iridium isotopes
  Iron isotopes
  Krypton isotopes
  Lanthanum isotopes
  Lead isotopes
  Lithium isotopes
  Magnesium isotopes
  Manganese isotopes
  Mercury isotopes
  Molybdenum isotopes
  Neodymium isotopes
  Neon isotopes
  Neptunium isotopes
  Nickel isotopes
  Niobium isotopes
  Nitrogen isotopes
  Osmium isotopes
  Oxygen isotopes
  Palladium isotopes
  Phosphorus isotopes
  Plutonium isotopes
  Polonium isotopes
  Potassium isotopes
  Protactinium isotopes
  Radioisotopes
  Radium isotopes
  Radon isotopes
  Rhenium isotopes
  Rubidium isotopes
  Ruthenium isotopes
  Samarium isotopes
  Scandium isotopes
  Selenium isotopes
  Silicon isotopes
  Silver isotopes
  Sodium isotopes
  Strontium isotopes
  Sulphur isotopes
  Technetium isotopes
  Tellurium isotopes
  Thorium isotopes
  Uranium isotopes
  Xenon isotopes
  Ytterbium isotopes
  Yttrium isotopes
  Zinc isotopes
  Zirconium isotopes
RT: Chemical elements
  Fission products
  Isotope dilution
  Isotope fractionation
  Radiometric dating
  Tracers

Isotopic labelling
USE: Radioactive labelling

Isotopic materials
BT: Materials
RT: Anisotropy
  Isotropy

Isotropic turbulence
USE: Turbulence
Isotropy
- RT: Anisotropy
  - Isotropic materials
  - Orientation

Isozymes
- USE: Isoenzymes

Jack fisheries
- USE: Carangid fisheries

Jackets
- USE: Piled platforms

Jackup platforms
- SN: Towed or self-propelled platforms supportable on extending legs
- BT: Mobile platforms
- RT: Submersible platforms

Jet stream
- UF: Polar front jet stream
  - Subtropical jet stream
- RT: Jets
  - Planetary waves
  - Troposphere

Jets
- UF: Turbulent jets
- BT: Fluid flow
- NT: Buoyant jets
  - Coastal jets
- RT: Jet stream

Jetsam
- USE: Flotsam

Jetties
- USE: Port installations

Jigging
- BT: Line fishing
- RT: Handlining

Joint ventures
- SN: Enterprises owned jointly by interests of different nationalities
- UF: International joint ventures
- RT: Bilateral agreements

Joints
- UF: Nodes
- RT: Node construction

Jurassic
- SN: Before 1982 search JURASSIC PERIOD
- BT: Mesozoic

Jurisdiction
- UF: Federal jurisdiction
  - State jurisdiction
  - NT: Extended jurisdiction
  - RT: Legislation
  - Rights

Juveniles
- UF: Elvers
  - Parrs
  - Post larvae
  - BT: Developmental stages
  - NT: Pups
  - Smolts

Kainite
- BT: Sulphate minerals

Kalman filters
- BT: Filters

Kamaboko
- USE: Minced products

Kaolin
- BT: Clay minerals
- RT: Clays
  - Kaolinite

Kaolinite
- BT: Clay minerals
- RT: Kaolin

Karokinesis
- USE: Mitosis

Karyological studies
- USE: Karyology

Karyology
- UF: Karyological studies
- BT: Cytology
- RT: Chromosomes
  - Meiosis
  - Mitosis
  - Nuclei

Karyomites
- USE: Chromosomes

Karyotypes
- RT: Chromosomes
  - Genomes
  - Genotypes

Katadromous species
- USE: Catadromous species

Keel clearance
- UF: Under keel clearance
  - Underkeel clearance
- RT: Groundings

Kelps
- SN: Brown algae harvested and dried as a source of alginic acid or for animal feeding
- UF: Tangle
- BT: Seaweeds
- RT: Alginates
  - Holdfasts

Kelt
- UF: Spawned salmon
  - Spawned trout
- RT: Developmental stages

Kelvin waves
- UF: Double kelvin waves
- BT: Trapped waves
- NT: Equatorial trapped waves

Kelvin-Helmholtz billows
- USE: Billows

Kelvin-Helmholtz instability
- UF: Helmholtz instability
  - Shear flow instability
  - Shear instability
- BT: Instability
- RT: Billows
  - Trans-isopycncal mixing

Kerogen
- BT: Petroleum hydrocarbons
- RT: Oil shale
  - Organic matter

Ketones
- BT: Organic compounds
- NT: Acetone

Kettle lakes
- USE: Glacial lakes

Keys
- USE: Identification keys

Keys (islands)
- USE: Cays

Kidneys
- SN: Before 1982 search KIDNEY
- UF: Nephrons
- BT: Excretory organs
- RT: Adrenal glands
  - Urinary system
  - Urine
  - Water balance

Kimberlites
- RT: Biotite
  - Conglomerates
  - Diamonds
  - Peridotite

Kinematic eddy viscosity
- USE: Eddy viscosity

Kinematics
- BT: Mechanics
- RT: Acceleration
  - Velocity

Kinesis
- BT: Orientation behaviour

Kinetic energy
- BT: Energy
  - NT: Eddy kinetic energy
  - RT: Drag coefficient
  - Froude number
  - Potential energy
Kinetics
 BT: Mechanics
 NT: Chemical kinetics
 Radionuclide kinetics

Kinetics of chemical reactions
 USE: Chemical kinetics

King crab fisheries
 USE: Crab fisheries

King mackerel fisheries
 USE: Tuna fisheries

Knolls (submarine)
 USE: Seaknolls

Kortweg Devries equation
 BT: Equations

Krill fisheries
 BT: Crustacean fisheries
 RT: Krill products
 Pelagic fisheries

Krill meal
 USE: Krill products

Krill paste
 USE: Krill products

Krill powders
 USE: Krill products

Krill products
 UF: Krill meal
 Krill paste
 Krill powders
 Krill protein concentrates
 BT: Processed fishery products
 RT: Krill fisheries

Krill protein concentrates
 USE: Krill products

Kryogenic marking
 USE: Cold branding

Krypton
 BT: Rare gases
 RT: Krypton isotopes

Krypton isotopes
 BT: Isotopes
 RT: Krypton

Kurtosis
 RT: Coefficients
 Particle distribution
 Particle size
 Skewness
 Statistical analysis

Kyanite
 BT: Silicate minerals

Labelling (radioactive)
 USE: Radioactive labelling

Labor
 USE: Labour

Laboratories
 RT: Controlled conditions
 Laboratory equipment
 Research institutions

Laboratory conditions
 USE: Controlled conditions

Laboratory culture
 UF: Biological culture
 NT: Cell culture
 Microbiological culture
 Tissue culture
 RT: Controlled conditions
 Culture media
 Culture tanks
 Cultures
 Experimental culture

Laboratory equipment
 BT: Equipment
 NT: Centrifuges
 Flumes
 Microscopes
 RT: Laboratories
 Limnological equipment
 Measuring devices
 Oceanographic equipment
 Test equipment
 Towing tanks
 Wave tanks

Laboratory models
 USE: Scale models

Laboratory rearing
 USE: Rearing

Laboratory research
 USE: Experimental research

Laboratory tests
 USE: Tests

Labour
 UF: Labor
 RT: Labour costs
 Labour legislation
 Personnel

Labour costs
 BT: Costs
 RT: Labour

Labour legislation
 SN: Before 1982 search LABOUR
 BT: Legislation
 RT: Labour

Lactate
 UF: Lactic acid
 RT: Organic acids

Lactation
 SN: The process of milk production
 by the mammary glands
 BT: Secretion
 RT: Milk

Lactic acid
 USE: Lactate

Lacustrine sedimentation
 BT: Sedimentation
 RT: Anoxic sediments
 Lake deposits
 Sedimentary environments

Lagging
 USE: Insulating materials

Lagoon fisheries
 BT: Inland fisheries
 RT: Artisanal fishing
 Brackishwater fish
 Demersal fisheries
 Fishing barriers
 Lagoons
 Shrimp fisheries

Lagoonal sedimentation
 BT: Sedimentation
 RT: Lagoons
 Sedimentary environments

Lagoons
 BT: Water bodies
 NT: Atoll lagoons
 Coastal lagoons
 Inland lagoons
 RT: Backwaters
 Barrier reefs
 Brackishwater environment
 Coral reefs
 Lagoon fisheries
 Lagoonal sedimentation
 Shallow water
 Valliculture

Lagrangian current measurement
 SN: Before 1982 search also
 LAGRANGIAN METHODS
 (CURRENT MEASUREMENT)
 UF: Lagrangian methods (current measurement)
 BT: Current measurement
 RT: Data buoys
 Drogues
 Rhodamine B-dye
 Ship drift
 Subsurface drifters

Lagrangian drifters
 USE: Drifters

Lagrangian drifting buoys
 USE: Drifting data buoys

Lagrangian methods (current measurement)
 USE: Lagrangian current measurement
Lake basins
- BT: Basins
- RT: Catchment area
- Lake deposits
- Lake morphology
- Lakes
- River basins
- Watersheds

Lake beaches
USE: Lake shores

Lake breezes
USE: Sea breezes

Lake circulation
USE: Lake dynamics

Lake currents
SN: Before 1982 search also LENITIC CURRENTS
UF: Lenitic currents
BT: Water currents
RT: Bottom currents
- Coastal jets
- Lake dynamics
- Lakes
- Longshore currents
- Subsurface currents
- Surface currents

Lake deposits
RT: Anoxic sediments
- Glacial deposits
- Lacustrine sedimentation
- Lake basins
- Lakes
- Playas

Lake dynamics
UF: Lake circulation
- Reservoir dynamics
- BT: Water circulation
- RT: Coastal boundary layer
- Coastal jets
- Flushing time
- Lake currents
- Nearshore dynamics
- Overturn
- Physical limnology
- Seiches
- Surface circulation
- Water levels
- Wind setup

Lake ecology
USE: Ecology

Lake fisheries
BT: Inland fisheries
- RT: Artisanal fishing
- Coastal fisheries
- Demersal fisheries
- Fishery limnology
- Reservoir fisheries
- Salmon fisheries

Lake ice
- BT: Ice
- RT: Fast ice
- Floating ice
- Freshwater ice
- Lakes

Lake morphology
BT: Geomorphology
RT: Lake basins
- Lakes

Lake reclamation
UF: Reclamation (lakes)
BT: Reclamation
RT: Coastal zone management
- Lakes
- Shore protection

Lake shores
UF: Lake beaches
RT: Coastal morphology
- Lakes
- Riparian environments

Lakes
BT: Inland waters
NT: Artificial lakes
- Dystrophic lakes
- Eutrophic lakes
- Freshwater lakes
- Glacial lakes
- Meromictic lakes
- Oligotrophic lakes
- Oxbow lakes
- Relict lakes
- Salt lakes
- Strip mine lakes
- Tropical lakes
RT: Impoundments
- Inland seas
- Lake basins
- Lake currents
- Lake deposits
- Lake ice
- Lake morphology
- Lake reclamation
- Lake shores
- Lenitic environment
- Limnology

Laminar boundary layer
BT: Boundary layers
RT: Laminar flow
- Turbulent boundary layer

Laminar flow
UF: Poiseuille flow
BT: Fluid flow
NT: Couette flow
RT: Atmospheric turbulence
- Channel flow
- Forced convection
- Laminar boundary layer
- Molecular viscosity
- Multiphase flow
- Reynolds number
- Stratified flow
- Turbulent flow
- Unsteady flow

Lampara nets
USE: Surrounding nets

Lamprey attachment
UF: Attachment (lampreys)
BT: Parasite attachment
RT: Ectoparasites

Land breezes
SN: Blowing from land to sea.
Before 1995 search also LAND AND SEA BREEZES
BT: Breezes
RT: Sea breezes

Land bridges
RT: Palaeoecology

Land forms
USE: Landforms

Land ice
SN: Use of a more specific term is recommended
BT: Ice
NT: Ice caps
RT: Freshwater ice
- Permafrost

Land reclamation
SN: Restoring degraded land or recovering land from the sea
UF: Coastal reclamation
- Reclamation (land)
BT: Reclamation
RT: Coastal erosion
- Coastal zone management
- Land use
- Polders
- Wetlands

Land use
UF: Commercial land use
- Industrial land use
- Land utilization
RT: Land reclamation

Land utilization
USE: Land use

Landforms
UF: Land forms
BT: Topographic features
NT: Alluvial fans
- Alluvial terraces
- Coastal landforms
- Coasts
- Continents
- Flood plains
- Islands
- Mountains
- Plains
- Plateaux
- Ridges
- Valleys
RT: Erosion features
- Physiographic provinces
ASFA THESAURUS

Landing statistics
BT: Fishery statistics
RT: Catch statistics
Fishing time
Stock assessment

Landlocked countries
USE: Landlocked states

Landlocked states
UF: Continental nations
Landlocked countries
BT: Countries
RT: Coastal states

Landslides
BT: Geological hazards
Slides
RT: Creep
Retrogradation
Slope stability
Tsunami generation

Langmuir circulation
BT: Fluid motion
RT: Convergence
Divergence
Surface circulation
Surface layers
Vortices
Windrows
Winds

Lanthanides
BT: Rare earths
NT: Cerium
Dysprosium
Erbium
Europium
Gadolinium
Lanthanum
Lutetium
Neodymium
Samarium
Terbium
Ytterbium

Lanthanum
USE: Lanthanium

Laplace equation
BT: Equations
RT: Harmonic functions
Poisson's equation
Tidal equations
Laplace transformation
USE: Functional analysis

Larvae
UF: Larval stages
BT: Developmental stages
NT: Fish larvae
Invertebrate larvae
RT: Embryos
Larval development
Larval settlement
Merooplankton
Neoteny
Seed (aquaculture)

Larvae development
USE: Larval development

Larval development
UF: Larval development
BT: Biological development
RT: Larvae
Metamorphosis
Rearing

Larval settling
UF: Larval settling
Settlement (larvae)
BT: Biological settlement
RT: Culch
Larvae
Settling behaviour
Substrate preferences

Larval settlement
USE: Larval settlement

Larval stages
USE: Larvae

Larynx
SN: Before 1982 search
RESPIRATORY ORGANS
BT: Vocal organs
RT: Sound production

Laser altimeters
BT: Altimeters
RT: Laser bathymeters

Laser altimetry
USE: Altimetry

Laser bathymeters
BT: Bathymeters
RT: Laser altimeters
Lasers
Remote sensing equipment

Laser bathymetry
USE: Bathymetry

Lasers
UF: Optical masers
Pulsed lasers
RT: Electromagnetic radiation
Holography
Infrared detectors
Lidar
Optics

Latent heat of sublimation
USE: Sublimation heat

Latent heat of vaporization
USE: Vaporization heat

Latent heat transfer
BT: Heat exchange
RT: Bowen ratio

Lateral line
UF: Lateral line system
BT: Sense organs
RT: Mechanical stimuli
Mechanoreceptors

Lateral line system
USE: Lateral line

Latitude
BT: Geographical coordinates
NT: Palaeolatitude
RT: Equator
Latitudinal variations
Longitude
Latitude correction
USE: Gravity corrections

Latitudinal variations
SN: Variation in the value of some physical property along a meridian
BT: Spatial variations
RT: Latitude
Meridional distribution

Lattice charts
USE: Navigational charts

Launching
RT: Deployment
Recovery

Lava
BT: Volcanic rocks
NT: Pillow lava
RT: Basalts
Lava flows

Lava flows
RT: Lava
Volcanoes

Law enforcement
USE: Surveillance and enforcement

Law of the sea
SN: National and international laws concerning marine water and its resources. Before 1982 search also SEA LAW
UF: International law of the sea
Ocean law
Sea law
BT: International law
RT: Environmental legislation
Ocean policy
Seabed conventions
Layer of no motion
USE: Level of no motion

Layers
NT: Boundary layers
Core layers (water)
Discontinuity layers
Seismic layers
Water column
RT: Inversions
Levels
Stratification
Surface films
Surfaces

Leaching
BT: Separation processes
RT: Degradation
Diffusion
Dissolution
Percolation
Permeability
Solubility
Solvent extraction
Weathering

Lead
BT: Heavy metals
RT: Ferromanganese nodules
Lead compounds
Lead isotopes
Metalliferous sediments

Lead 210
BT: Lead isotopes

Lead compounds
BT: Chemical compounds
RT: Lead

Lead isotopes
BT: Isotopes
NT: Lead 210
RT: Lead

Leads
UF: Ice leads
RT: Floating ice
Navigation in ice
Polynyas

Leaf
USE: Leaves

Leaf litter
SN: Detritus of leaves
BT: Detritus
RT: Leaves

Leaks
BT: Defects
RT: Seals (stoppers)

Leaks (oil)
USE: Oil spills

Learning behaviour
SN: Conditioned response or reflex of aquatic organisms
BT: Behaviour
NT: Imprinting
RT: Stimuli

Leases
RT: Oil and gas exploration
Rental

Least squares method
BT: Approximation
RT: Regression analysis

Leaves
UF: Leaf
BT: Plant organs
RT: Humus
Leaf litter
Photosynthesis
Stomata

Lectins

Lectotype

Lectures
UF: Talks
RT: Conferences
Publicity material

Lee eddies
SN: Eddies formed on the lee of obstacles. Before 1982 search EDDIES (LEE)
UF: Eddies (lee)
BT: Water motion
RT: Flow around objects
Vortices

Lee waves
UF: Mountain waves
BT: Internal waves
RT: Atmospheric motion
Stratified shear flow
Topographic effects

Legal aspects
SN: Before 1982 search LEGISLATION
RT: Disputes
Legislation
Political aspects
Rights

Legislation
UF: Regulations
NT: Aquaculture regulations
Commercial legislation
Environmental legislation
Fishery industry legislation
Fishery regulations
Labour legislation
Maritime legislation
Mining legislation
Navigation regulations

Legs (structural)
RT: Structures

Leisure activities
USE: Recreation

Length
BT: Dimensions
NT: Mixing length

Length frequency
SN: An arrangement of recorded lengths (in a total catch, a stock, or a sample) which indicates the number of individuals encountered in each length interval.
UF: Length-frequency distribution
BT: Population structure

Length-frequency distribution
USE: Length frequency

Length-weight relationships
UF: Size-weight relationships
Weight-length relationships
BT: Population factors
RT: Body shape
Body size
Body weight
Condition factor
Growth curves
Size distribution

Lenitic currents
USE: Lake currents

Lenitic environment
BT: Inland water environment
RT: Benthic environment
Euphotic zone
Inland lagoons
Lakes
Lotic environment
Marshes
Pelagic environment
Ponds
Water reservoirs

Leptocephalus
USE: Fish larvae

Lesions
SN: For either aquatic animals or man
UF: Scars
RT: Injuries
Lethal effects
  RT: Bioaccumulation
  Biological poisons
  Biotesting
  Mortality causes
  Pollution effects
  Sublethal effects
  Toxicity

Lethal limits
  RT: Biological poisons
  Hazard assessment
  Limiting factors
  Pesticides
  Pollutants
  Starvation
  Survival
  Tolerance
  Toxicity

Lethal mutations
  USE: Mutations

Leucine
  BT: Amino acids

Leucocytes
  USE: Leucocytes

Leukocytes
  UF: Leucocytes
  BT: Blood cells
  RT: Haemolymph

Levees
  BT: Embankments
  RT: Alluvial deposits
  Flood plains
  Fluvial features
  River banks
  Seachannels

Level of no motion
  UF: Layer of no motion
  Surface of no motion
  BT: Reference levels
  RT: Geostrophic flow
  Geostrophic method
  Isobaric surfaces

Levelling
  BT: Bench marks
  Datum levels
  Geodesy
  Geoid
  Mean sea level

Levels
  NT: Reference levels
  Water levels
  BT: Layers
  Surfaces

Lexicons
  USE: Glossaries

Liability
  RT: Insurance

Librarians
  UF: Archivists
  RT: Information scientists
  Libraries

Libraries
  BT: Information centres
  Data collections
  Librarians

Licences
  NT: Concessions
  Permits
  RT: Licensing

Licensing
  RT: Licences

Lidar
  UF: Coherent Light Detection and Rangefinding
  RT: Hygrometry
  Lasers
  Meteorological instruments
  Radar
  Remote sensing equipment
  Sodar

Life cycle
  SN: Morphological changes and growth from egg to adult stages
  BT: Cycles
  RT: Biological age
  Biological aging
  Biological development
  Developmental stages
  Differential distribution
  Life history
  Longevity
  Metamorphosis
  Ontogeny
  Reproductive cycle
  Sexual maturity

Life history
  SN: Taxonomic, biological and ecological studies of a species
  RT: Autecology
  Biology
  Life cycle

Life jackets
  RT: Life saving equipment
  Survival at sea

Life saving equipment
  RT: Life jackets
  Life support systems
  Lifeboats
  Safety devices

Life sciences (agriculture)
  USE: Agriculture

Life sciences (biology)
  USE: Biology

Life sciences (medicine)
  USE: Medicine

Life span
  USE: Longevity

Life support systems
  UF: Atmosphere (life support)
  NT: Breathing apparatus
  RT: Diving equipment
  Life saving equipment
  One-atmosphere systems
  Umbilicals

Lifeboats
  UF: Liferafts
  Rafts (life)
  BT: Boats
  RT: Inflatable craft
  Life saving equipment
  Safety devices
  Survival at sea

Liferafts
  USE: Lifeboats

Lifting
  UF: Hoisting
  Loading (operation)
  RT: Lifting tackle

Lifting gear
  USE: Lifting tackle

Lifting tackle
  UF: Lifting gear
  BT: Deck equipment
  NT: Cranes
  Davits
  Winches
  RT: Lifting
  Salvage equipment

Lift-nets
  UF: Scooping gear
  BT: Fishing nets

Ligands
  RT: Ions
  Molecules
  Organometallic complexes

Ligases
  USE: Enzymes

Light
  UF: Light rays
  Visible radiation
  BT: Electromagnetic radiation
  RT: Abiotic factors
  Atmospheric optical phenomena
  Irradiance
  Light absorption
  Light attenuation
  Light fields
  Light intensity
Light measurement
Light measuring instruments
Light penetration
Light reflection
Light refraction
Light scattering
Light sources
Light transmission
Luminescence
Optical properties
Optics
Photoperiodicity
Photoreceptors
Phototaxis
Phototropism
Light sources
Light transmission
Luminescence
Optical properties
Optics
Photoperiodicity
Photoreceptors
Phototaxis
Phototropism

**Light effects**
- UF: Photoperiod effects
- BT: Environmental effects
- RT: Chromatic behaviour
  - Light penetration
  - Nyctimeral rhythms
  - Optical properties
  - Photoperiodicity
  - Photoperiods
  - Phototaxis
  - Phototropism

**Light fields**
- UF: Radiance distribution
- BT: Fields
- RT: Irradiance
  - Light
  - Light measurement
  - Radiance
  - Radiative transfer

**Light fishing**
- SN: Use of light to attract fish for capture with different types of gears
- BT: Catching methods
- RT: Pump fishing

**Light intensity**
- UF: Light quantity
- RT: Light
  - Light penetration
  - Optical properties
  - Photometry

**Light measurement**
- BT: Measurement
- NT: Photometry
- RT: Colorimetric techniques
  - Immersion effects
  - Light
  - Light fields
  - Light measuring instruments

**Light measuring instruments**
- BT: Measuring devices
- NT: Beam transmittance meters
  - Cosine collectors
  - Irradiance meters
  - Photometers
  - Quanta meters
  - Radiance meters
  - Scatterance meters
  - Secchi discs
  - Transmissometers
- RT: Fluorimeters
  - Light
  - Light measurement
  - Nephelometers
  - Optical instruments
  - Radiometers
  - Turbidimeters

**Light microscopes**
- USE: Microscopes

**Light microscopy**
- UF: Optical microscopy
- BT: Microscopy

**Light minerals**
- BT: Minerals
- RT: Heavy minerals

**Light organs**
- SN: Before 1995 search
- PHOTOPHORES
- RT: Photophores

**Light penetration**
- RT: Absorption coefficient
  - Absorption spectra
  - Aphotonic zone
  - Compensation depth
  - Euphotic zone
  - Light
  - Light absorption
  - Light attenuation
  - Light effects
  - Light intensity
  - Light reflection
  - Light refraction
  - Light scattering
  - Phototaxis
  - Phototropism
  - Primary production
  - Solar radiation
  - Spectral composition
  - Transmittance

**Light propagation**
- RT: Light absorption
  - Light transmission
  - Light quantity
- USE: Light intensity

**Light rays**
- USE: Light

**Light reflection**
- UF: Reflection (light)
- BT: Reflection
- RT: Air-water interface
  - Glitter
  - Light
  - Light penetration
  - Light refraction
  - Reflectance

**Light refraction**
- SN: Before 1982 search also
- REFRACTIVE
- UF: Refraction (light)
- BT: Refraction
- RT: Air-water interface
  - Light
  - Light dispersion
  - Light penetration
  - Light reflection
  - Refractive index
  - Transparency
Light scattering
UF: Scattering (light)
NT: Particle scattering
RT: Fluorescence
  Light
  Light attenuation
  Light penetration
  Nepheloid layer
  Particle concentration
  Polarization
  Refractive index
  Scattering coefficient
  Turbidity
  Volume scattering function
  Water transparency

Light sensitive pigments
USE: Visual pigments

Light sources
UF: Underwater light sources
RT: Light
  Lighting systems

Light stimuli
BT: Stimuli
RT: Photoperiodicity
  Photoreception
  Photosynthesis
  Phototaxis
  Phototropism
  Vision

Light transmission
BT: Transmission
RT: Light
  Light absorption
  Light propagation
  Optical filters
  Transparency

Light vessels
USE: Lightships

Lighthouses
BT: Navigational aids

Lighting systems
UF: Illumination
RT: Light sources

Lightning
BT: Atmospheric electricity
RT: Thunderstorms
  Weather

Lightsips
UF: Light vessels
BT: Ships
RT: Inshore stations
  Navigational aids

Limbs
SN: Legs or limbs of aquatic animals
BT: Animal appendages

Limestone
BT: Carbonate rocks
RT: Biogenous deposits
  Calcarenite
  Calcite
  Dolomitization
  Marlstone
  Oolites

Liming
BT: Scaling

Limiting factors
UF: Limiting nutrients
RT: Anthropogenic factors
  Ecological distribution
  Environmental conditions
  Environmental factors
  Lethal limits
  Nutrients (mineral)
  Tolerance

Limiting nutrients
USE: Limiting factors

Limnological data
BT: Data
RT: Bathymetric data
  Limnological surveys
  Limnology
  Water temperature data

Limnological equipment
BT: Equipment
RT: Bathymetographs
  Collecting devices
  Laboratory equipment
  Limnological surveys
  Limnology
  Measuring devices
  Water samplers

Limnological institutions
BT: Research institutions
RT: Biological institutions
  Fishery institutions
  Limnology

Limnological surveys
BT: Environmental surveys
RT: Limnological data
  Limnological equipment
  Limnology

Limnologists
USE: Freshwater scientists

Limnology
BT: Aquatic sciences
NT: Chemical limnology
  Fishery limnology
  Paleolimnology
  Physical limnology
RT: Freshwater sciences
  Freshwater scientists
  Hydrography
  Hydrology

Lakes
Limnological data
Limnological equipment
Limnological institutions
Limnological surveys
Ponds
Water reservoirs

Limnology (biological)
USE: Freshwater ecology

Limnology (chemical)
USE: Chemical limnology

Limnology (physical)
USE: Physical limnology

Lindane
BT: Chlorinated hydrocarbons
RT: Herbicides
  Insecticides

Line fishing
SN: Any type of fishing using lines, movable or fixed, with or without attached hooks, gorges, or other catching means
BT: Catching methods
  Fishing
  NT: Handlining
  Jigging
  Longlining
  Pole-line fishing
  Trolling
RT: Bait
  Bait fishing
  Lines

Line fishing gear
USE: Lines

Line pipe
USE: Pipes

Linear programming
BT: Mathematical programming
RT: Computer programs
  Econometrics
  Mathematical models

Linear waves
UF: Airy waves
  Infinitesimal waves
  Sinusoidal waves
BT: Water waves
RT: Nonlinear waves

Liners
UF: Trollers
BT: Fishing vessels
RT: Lines
  Trolling

Liners (passengers)
USE: Passenger ships
Lines
UF: Drift lines
Hand lines
Line fishing gear
Set lines
Troll lines
BT: Fishing gear
NT: Hooks
RT: Line fishing
Liners
Trolling

Linoleic acid
BT: Polyunsaturated fatty acids

Lipids
SN: Before 1982 search FATS
UF: Derived lipids
BT: Organic compounds
NT: Complex lipids
Fats
Steroids
Waxes
RT: Choline
Esters
Lipoproteins

Lipoproteins
SN: Before 1982 search PROTEINS
BT: Proteins
RT: Blood
Lipids
Lymph

Liquefaction
BT: Fluidization
RT: Liquefied sediment flow
Liquids

Liquefied natural gas
UF: LNG
BT: Natural gas
RT: Gas processing

Liquefied petroleum gas
UF: LPG
BT: Fuels
RT: Gas terminals
Petroleum

Liquefied sediment flow
BT: Fluidized sediment flow
RT: Grain flow
Liquefaction

Liquid fish products
USE: Fish silage

Liquids
BT: Fluids
RT: Gases
Liquefaction

Literature reviews
UF: Literature surveys
Review articles
Reviews (literature)
State-of-the-art reviews
RT: Bibliographies
Documents

Literature surveys
USE: Literature reviews

Lithification
BT: Diagenesis
RT: Cementation
Compaction
Compression
Consolidation

Lithium
BT: Alkali metals
RT: Lithium compounds
Lithium isotopes

Lithium compounds
BT: Alkali metal compounds
RT: Lithium

Lithium isotopes
BT: Isotopes
RT: Lithium

Lithofacies
BT: Facies
RT: Lithology
Sediments

Lithogenesis
RT: Lithology
Rocks

Lithology
BT: Geology
RT: Lithofacies
Lithogenesis
Petrology

Lithosphere
SN: Use as tectonic term. Do not use as part of classification: atmosphere, hydrosphere, lithosphere
BT: Earth structure
RT: Asthenosphere
Benioff zone
Earth crust
Moho
Plate tectonics
Plates
Upper mantle

Lithospheric plates
USE: Plates

Litter
SN: Not used for leaf litter or for brood/offspring of mammals
UF: Garbage
Refuse
Rubbish
Trash
BT: Solid impurities
Wastes
RT: Detritus
Plastic debris

Littoral deposits
BT: Sediments
RT: Longshore sediment transport
Nearshore sedimentation

Littoral drift
USE: Longshore sediment transport

Littoral sedimentation
USE: Nearshore sedimentation

Littoral states
USE: Coastal states

Littoral transport
USE: Longshore sediment transport

Littoral zonation
USE: Ecological zonation

Littoral zone
BT: Benthic environment
NT: Eulittoral zone
Sublittoral zone
Supralittoral zone
RT: Beaches
Coastal waters
Coastal zone
Continental shelves
Ecological zonation
Epipelagic zone
Neritic province
Shallow water

Live feed
USE: Food organisms

Live food
USE: Food organisms

Live storage
SN: Storage of live fish
BT: Fish storage

Live weight
USE: Biomass

Livelihoods
SN: The capabilities, assets (including both material and social resources) and activities required for a means of living).
RT: Economics
Fishermen
Fishing

Liver
BT: Digestive glands
RT: Bile
Glycogen

Livestock food
BT: Food
NT: Feed
Living fossils
SN: Any organism alive today whose closest relatives are known only as fossils
RT: Fossils
Relict species

Living quarters
USE: Accommodation

Living resources
SN: Applies to both plant and animal resources of the aquatic environment
UF: Aquatic living resources
Biological resources
Biotic natural resources
BT: Natural resources
NT: Botanical resources
Fishery resources
RT: Food resources
Marine resources
Potential resources
Protected resources
Rare resources
Renewable resources
Unconventional resources

LNG
USE: Liquefied natural gas

Load pressure
USE: Loads (forces)

Loading (operation)
USE: Lifting

Loading buoys
BT: Mooring buoys
RT: Articulated columns
Floating hoses
Offshore terminals
Single point moorings
Tanker loading

Loads (forces)
UF: Load pressure
BT: Forces (mechanics)
NT: Current forces
Cyclic loading
Dynamic loads
Earthquake loading
Ice loads
Ocean loading
Wave forces
Wave-induced loading
Wind pressure
RT: Ballast
Bearing capacity
Pressure
Weight

Lobster culture
SN: Before 1982 search
CRUSTACEAN CULTURE
BT: Crustacean culture

Lobster fisheries
UF: Cape rock lobster fisheries
Crayfish fisheries
Deep-sea lobster fisheries
Northern lobster fisheries
Rocklobster fisheries
Spiny lobster fisheries
BT: Crustacean fisheries
RT: Trap fishing

Lobster pots
USE: Pots

Local movements
SN: Movements of organisms other than migrational movements, within home range
UF: Movements (local)
RT: Activity patterns
Home range
Homing behaviour

Local names
USE: Vernacular names

Local winds
UF: Bora
Mistral
BT: Winds
NT: Breezes

Locating
NT: Underwater object location
RT: Detection
Dynamic positioning
Position fixing
Salvaging
Search and rescue
Surveying
Tracking

Locations (working)
UF: Working locations
RT: Offshore operations
Working underwater

Lockout submersibles
USE: Submersibles

Locomotion
SN: Including theory of locomotion in aquatic organisms
NT: Flying
Swimming
RT: Activity patterns
Animal navigation
Cilia
Locomotory appendages
Mobility

Locomotory appendages
UF: Locomotory organs
BT: Animal appendages
NT: Fins
Wings
RT: Flagella
Locomotion

Locomotory organs
USE: Locomotory appendages

Logbooks
UF: Scientific logbooks
Ships logbooks
BT: Documents
RT: Records
Station lists

Logging
NT: Well logging

Long gravity waves
USE: Shallow water waves

Long wave radiation
USE: Terrestrial radiation

Long waves
USE: Shallow water waves

Long-wave-short wave interactions
USE: Short wave-long wave interactions

Long-crested waves
BT: Surface water waves
RT: Directional spectra
Short-crested waves
Wave crests
Wave direction

Longevity
UF: Life span
BT: Biological properties
RT: Biological age
Biological aging
Life cycle
Mortality

Longitude
BT: Geographical coordinates
RT: Latitude

Longitudinal dispersion
BT: Dispersion
RT: Estuarine dynamics

Long-line culture
USE: Off-bottom culture

Longlining
BT: Line fishing
RT: Demersal fisheries
Flatfish fisheries
Pelagic fisheries

Long-period seismic waves
USE: Seismic waves

Long-period tides
BT: Tides
RT: Nodal tides
Pole tides
Long-period water waves
USE: Shallow water waves

Long-period waves
USE: Shallow water waves

Longshore bars
BT: Nearshore bars
RT: Break-point bars

Longshore currents
SN: Currents bordering coastlines.
Before 1982 search ONSHORE CURRENTS
BT: Nearshore currents
RT: Beach cusps
Coastal jets
Estuarine dynamics
Lake currents
Longshore sediment transport
Rip currents
Surf zone
Tidal currents
Wave processes on beaches
Wave-current interaction
Wind-driven currents

Longshore drift
USE: Longshore sediment transport

Longshore sand transport
USE: Longshore sediment transport

Longshore sediment transport
SN: Before 1982 search also LONGSHORE SAND TRANSPORT
UF: Littoral drift
Littoral transport
Longshore drift
Longshore sand transport
BT: Sediment transport
RT: Beach nourishment
Littoral deposits
Longshore currents

Long-term changes
UF: Long-term variations
Secular fluctuations
BT: Temporal variations
NT: Sea level changes
RT: Baseline studies
Climatic changes
Long-term records
Monitoring
Periodic variations
Prediction
Short-term changes

Long-term planning
BT: Planning
RT: Short-term planning

Long-term records
BT: Records
RT: Long-term changes

Long-term variations
USE: Long-term changes

Lophophores
SN: Filter feeding organs
BT: Alimentary organs
RT: Filter feeders

Loran
BT: Radio navigation
RT: Navigational tables

Lotic environment
BT: Inland water environment
RT: Benthic environment
Lenitic environment
Rivers
Spring streams
Water springs

Love waves
BT: Surface seismic waves

Low frequency
BT: Frequency
RT: High frequency

Low pressure systems
NT: Cyclones
Low pressure troughs
RT: Atmospheric disturbances
Atmospheric pressure
Tornadoes

Low tide
UF: Low water
BT: Tides
RT: Ebb currents
High tide

Low temperature
BT: Temperature
RT: Metamorphism

Low velocity layer
BT: Seismic layers
RT: Seismosphere
Seismic velocities

LPG
USE: Liquefied petroleum gas

Lubricants
RT: Fuels

Luciferin
UF: Photophelein
BT: Proteins
RT: Luminous organisms

Luminescence
NT: Bioluminescence
Chemiluminescence
Fluorescence
Phosphorescence
RT: Chemical properties
Electrical properties
Electromagnetic radiation
Light
Luminous organisms

Luminous organisms
USE: Photophores

Luminous organisms
BT: Aquatic organisms
RT: Luciferin
Luminescence
Photophores
Plankton
Luminous organs
USE: Photophores

Lunar eyeles
USE: Moon phases

Lunar diurnal tides
USE: Diurnal tides

Lunar effects
USE: Moon phases

Lunar semi-diurnal tides
USE: Semidiurnal tides

Lunar tides
SN: Before 1982 search TIDES
BT: Tides
RT: Meteorological tides
Tidal constituents

Lungs
SN: Before 1982 search RESPIRATORY ORGANS
BT: Respiratory organs
RT: Aerobic respiration

Lutes
USE: Bait

Luring
USE: Attracting techniques

Lutetium
BT: Lanthanides
Lutites
RT: Argillaceous deposits
Bentonite
Marlstone
Mudstone
Shale
Silt
Silstone

Lyses
SN: Before 1982 search
ENZYMES
BT: Enzymes

Lymph
SN: Before 1982 search BODY FLUIDS
BT: Body fluids
RT: Lipoproteins
Lymphatic system
Lymphocytes

Lymph system
USE: Lymphatic system
Lymph vessels
USE: Lymphatic system

Lymphatic system
UF: Lymph system
Lymph vessels
BT: Anatomical structures
RT: Lymph
Lymphocytes
BT: Blood cells
RT: Lymph
Spleen

Lysine
BT: Amino acids

Lysocline
BT: Discontinuity layers
RT: Carbonate compensation depth
Clines

Lysosomes
BT: Cell organelles

Machinery
NT: Harvesting machines
Pumps
RT: Equipment
Mechanization

Mackerel fisheries
BT: Finfish fisheries
RT: Tuna fisheries

Macrobrathos
USE: Benthos

Macrophages
SN: A large phagocytic cell
BT: Blood cells
RT: Phagocytosis

Macroplankton
USE: Zooplankton

Mafic magma
UF: Mafics
BT: Magma
Mafics
USE: Mafic magma

Magma
UF: Magmatism
NT: Mafic magma
RT: Asthenosphere
Hot spots
Igneous rocks
Magma chambers
Volcanism

Magma chambers
UF: Magma reservoirs
RT: Igneous intrusions
Magma
Magma reservoirs
USE: Magma chambers
Magmatism
USE: Magma

Magnesite
BT: Carbonate minerals

Magnesium
BT: Alkaline earth metals
RT: Barium
Ferromanganese nodules
Magnesium compounds
Magnesium isotopes

Magnesium compounds
BT: Alkaline earth metal compounds
NT: Magnesium silicates
Magnesium sulphates
RT: Magnesium

Magnesium isotopes
BT: Isotopes
RT: Magnesium

Magnesium silicates
BT: Magnesium compounds
Silicates

Magnesium sulphates
BT: Magnesium compounds
Sulphates

Magnetic anomalies
BT: Anomalies
RT: Geomagnetic field
Gravity anomalies
Magnetic anomaly charts
Magnetic data
Magnetic exploration
Paleomagnetism
Seafloor spreading

Magnetic anomaly charts
BT: Magnetic charts
RT: Magnetic anomalies

Magnetic charts
BT: Geological maps
NT: Magnetic anomaly charts
RT: Magnetic data
Magnetic exploration
Magnetic intensity
Magnetic variations
Magnetic compasses
USE: Compasses
Magnetic core orientation
USE: Core orientation

Magnetic data
BT: Geophysical data
RT: Magnetic anomalies
Magnetic charts
Magnetic declination
USE: Magnetic variations
Magnetic dip
USE: Magnetic inclination

Magnetic exploration
UF: Geomagnetic surveys
Magnetic surveys
BT: Geophysical exploration
RT: Aeromagnetic surveys
Coast effect
Magnetic anomalies
Magnetic charts
Magnetometers

Magnetic field (earth)
USE: Geomagnetic field

Magnetic field elements
BT: Magnetic properties
NT: Magnetic inclination
Magnetic intensity
Magnetic variations
RT: Geomagnetic field

Magnetic fields
NT: Geomagnetic field
RT: Electromagnetic radiation
Magnetism
Magnets

Magnetic inclination
UF: Magnetic dip
BT: Magnetic field elements
Magnetic intensity
BT: Magnetic field elements
RT: Magnetic charts

Magnetic particle testing
USE: Nondestructive testing

Magnetic properties
BT: Physical properties
NT: Magnetic field elements
Magnetic susceptibility
Remanent magnetization
RT: Magnetism
Magnets

Magnetic remanence
USE: Remanent magnetization

Magnetic reversals
UF: Geomagnetic reversals
RT: Geomagnetic field
Magnetostatigraphy
Palaeomagnetism
Pole positions

Magnetic spherules
USE: Cosmic spherules

Magnetic stratigraphy
USE: Magnetostatigraphy

Magnetic surveys
USE: Magnetic exploration

Magnetic susceptibility
BT: Magnetic properties
RT: Anisotropy
Geomagnetic field
Palaeomagnetism

Magnetic tape recordings
RT: Audio recordings
Magnetic tapes
Records
Videotape recordings

Magnetic tapes
RT: Audiovisual materials
Magnetic tape recordings

Magnetic variations
UF: Magnetic declination
Variations (magnetic)
BT: Magnetic field elements
RT: Magnetic charts

Magnetism
NT: Electromagnetism
Geomagnetism
Palaeomagnetism
RT: Magnetic fields
Magnetic properties
Magnets

Magnetite
BT: Oxide minerals
RT: Cosmic spherules
Iron oxides
Placers

Magnetometers
BT: Measuring devices
RT: Geomagnetism
Geophysical equipment
Magnetic exploration

Magnetostatigraphy
UF: Magnetic stratigraphy
BT: Stratigraphy
RT: Magnetic reversals

Magnetotelluric methods
UF: Magnetotelluric surveys
RT: Coast effect
Electrical resistivity
Electromagnetic exploration
Geomagnetic field
Geomagnetism
Telluric currents

Magnetotelluric surveys
USE: Magnetotelluric methods

Magnets
RT: Magnetic fields
Magnetic properties
Magnetism

Maintenance and repair
SN: Before 1995, search also
MAINTENANCE; REPAIR;
REPLACING
UF: Repair
Replacing
RT: Corrosion control
Damage
Deterioration
Fouling control
Inspection
Restoration

Major constituents
RT: Composition

Major elements

Malacologists
BT: Zoologists
RT: Fishery biologists
Malacology
Taxonomists

Malacology
BT: Invertebrate zoology
RT: Conchology
Freshwater molluscs
Hydrobiology
Malacologists
Marine molluscs
Shells

Malaria
UF: Paludism
BT: Human diseases
RT: Parasitic diseases
Protozoan diseases

Males
BT: Sex
RT: Females

Malformations
USE: Abnormalities

Mammal entanglement
BT: Entanglement

Mammalian physiology
UF: Physiology (aquatic mammals)
BT: Animal physiology
RT: Aquatic mammals
Mammalogy

Mammalologists
BT: Zoologists
RT: Aquatic mammals
Mammalogy

Mammalogy
BT: Vertebrate zoology
NT: Cetology
RT: Aquatic mammals
Mammalian physiology
Mammalologists

Mammals (aquatic)
USE: Aquatic mammals

Mammals (marine)
USE: Marine mammals

Management
SN: Use of a more specific term is recommended
UF: Administration
NT: Ecosystem management
Environment management
Financial management
Production management
Resource management
Risk management
RT: Marketing
Personnel
PERT
Planning

Maneuverability
USE: Manoeuvrability

Manganese
BT: Heavy metals
Transition elements
RT: Ferromanganese nodules
Ferromanganese oxides
Manganese compounds
Manganese isotopes
Metalliferous sediments

Manganese compounds
BT: Chemical compounds
NT: Manganese dioxide
Manganese oxides
RT: Manganese
Manganese deposits
BT: Chemical sediments
RT: Ferromanganese nodules
Manganese oxides
Manganese dioxide
BT: Manganese compounds
Manganese oxides
Manganese isotopes
BT: Isotopes
RT: Manganese
Manganese minerals
BT: Minerals
RT: Pyrolusite
Manganese nodules
USE: Ferromanganese nodules
Manganese oxides
BT: Manganese compounds
Oxides
NT: Ferromanganese oxides
Manganese dioxide
RT: Manganese deposits
Mangrove swamps
SN: Mangrove aquatic environment and its communities
BT: Swamps
RT: Brackishwater ecology
Brackishwater environment
Mangroves
Manifolds
SN: Seabed multiple flowline connectors
RT: Connectors
Flowlines
Wellheads
Man-induced effects
SN: Effects of human activities on aquatic ecosystems
UF: Anthropogenic effects
Human impact
RT: Environmental degradation
Environmental impact
Pollution effects
Manipulators
RT: Diving suits
Robots
Underwater vehicles
Man-made disasters
USE: Accidents
Man-made lakes
USE: Artificial lakes
Manned submersibles
USE: Submersibles
Manned vehicles
UF: Diving chambers
Diving vehicles
BT: Underwater vehicles
NT: Diving bells
Observation chambers
Submarines
Submersibles
RT: Unmanned vehicles
Mannose
BT: Monosaccharides
RT: Aldehydes
Manoeuvrability
UF: Maneuverability
RT: Propulsion systems
Ship handling
Steering systems
Vehicles
Manometers
BT: Measuring devices
RT: Barometers
Pressure
Pressure gauges
Manpower resources
USE: Human resources
Mantle
SN: Fold of epidermal tissue covering dorsal or lateral surfaces of the body of the Mollusca and Brachiopoda; body wall of the Urochordata. For earth mantle use EARTH MANTLE
BT: Body walls
RT: Gills
Mantle cavity
Shells
Mantle (earth)
USE: Earth mantle
Mantle cavity
BT: Body cavities
RT: Gills
Mantle
Mantle convection
BT: Convection
RT: Cellular convection
Earth mantle
Heat flow
Mantle plumes
Plate tectonics
Seafloor spreading
Mantle plumes
BT: Plumes
RT: Diverging plate boundaries
Earth mantle
Hot spots
Mantle convection
Plate divergence
Plate tectonics
Manuals
SN: Documents containing instructions and/or procedures for performing operations or handling equipment
UF: Instrument handbooks
BT: Documents
RT: Methodology
Training aids
Manufacturing costs
USE: Operational costs
Manure
SN: Any substance, usually of natural origin, used as fertilizer
UF: Animal manure
Artificial manure
Dung
Manurial salts
BT: Animal products
Organic fertilizers
RT: Guano
Wastes
Manurial salts
USE: Manure
Manuscripts (historical)
USE: Documents
Map graphics
SN: Cartographic representation of data on maps. Use of a more specific term is recommended
BT: Graphics
NT: Current roses
Isopleths
Streamlines
Vertical sections
Wind roses
Wind vectors
RT: Cartography
Hodographs
Map projections
RT: Cartography
Geographical coordinates
Maps
Mapping
SN: Mapping of aquatic and terrestrial environments. Before 1982 search CHARTING for aquatic environments
UF: Charting (distributions)
Charting (environmental conditions)
NT: Seafloor mapping
RT: Cartography
Geography
Maps
Plotting
Surveying
Surveys
Topography
Maps
SN: Before 1982 search also CHARTS (MAPS)
UF: Charts (maps)
BT: Graphics
NT: Biological charts
Climatological charts
Control charts
Environmental charts
Fishery charts
Geological maps
Hydrographic charts
Meteorological charts
Navigational charts
Pollution maps
Topographic maps
Track charts
RT: Atlases
Cartography
Chart datum
Map projections
Mapping
Marginal basins
UF: Back-arc basins
Inter-arc basins
BT: Structural basins
RT: Active margins
Continental slope
Forearc basins
Island arcs
Marginal seas
Subduction
Marginal fields
BT: Oil and gas fields
Marginal seas
UF: Adjacent seas
Deep adjacent seas
BT: Oceans
NT: Semi-enclosed seas
Shelf seas
RT: Anoxic basins
Coastal waters
Hydrosphere
Marginal basins
Margins (continental)
USE: Continental margins
Margins (plate)
USE: Plate margins
Mariculture
USE: Marine aquaculture
Marigram
USE: Tidal curves
Marinas
UF: Yacht harbours
BT: Artificial harbours
RT: Recreational waters
Yachts
Marinated products
USE: Cured products
Marine accidents
BT: Accidents
NT: Capsizing
Drowning
Groundings
RT: Diving accidents
Survival at sea
Marine advection
USE: Advection
Marine aerosols
USE: Aerosols
Marine aquaculture
UF: Coastal aquaculture
Mariculture
Ocean farming
Open sea aquaculture
Sea farming
BT: Aquaculture
RT: Algal culture
Cage culture
Coral farming
Fish culture
Marine fish
Seaweed culture
Shellfish culture
Sponge culture
Marine archaeology
USE: Archaeology
Marine biological noise
USE: Biological noise
Marine biologists
USE: Marine ecologists
Marine biology
USE: Marine ecology
Marine biotelemetry
USE: Biotelemetry
Marine birds
UF: Birds (marine)
BT: Aquatic birds
Marine organisms
NT: Guano birds
Marine chemistry
USE: Chemical oceanography
Marine crab culture
USE: Crab culture
Marine crustaceans
UF: Crustaceans (marine)
BT: Marine organisms
Shellfish
RT: Crustacean culture
Crustacean fisheries
Crustacean larvae
Marine ecologists
UF: Marine biologists
BT: Ecologists
RT: Marine ecology
Marine ecology
UF: Biological oceanography
Marine biology
Oceanology (biological)
Seashore ecology
BT: Ecology
Marine sciences
RT: Aquatic communities
Environmental factors
Marine ecologists
Oceanography
Marine engineering
USE: Ship technology
Marine environment
SN: Related to oceans and seas
UF: Ocean environment
BT: Aquatic environment
NT: Intertidal environment
RT: Aphotic zone
Benthic environment
Brackishwater environment
Coastal zone
Continental shelves
Coral reefs
Euphotic zone
Eutrophic waters
Marine fish
Oceanography
Pelagic environment
Sea water
Marine fish
BT: Fish
Marine organisms
NT: Reef fish
RT: Demersal fisheries
Marine aquaculture
Marine environment
Marine fisheries
Tropical fish
Marine fisheries
UF: Sea bass fisheries
Sea fisheries
BT: Fisheries
NT: Deep-sea fisheries
High seas fisheries
Pelagic fisheries
Reef fisheries
RT: Carangid fisheries
Cephalopod fisheries
Coastal fisheries
Demersal fisheries
Echinoderm fisheries
Estuarine fisheries
Finfish fisheries
Gastropod fisheries
Marine fish
Shellfish fisheries
Sponge fisheries
Tuna fisheries
Marine fittings
USE: Shipboard equipment

Marine foundations
USE: Foundations

Marine geodesy
BT: Geodesy
Marine sciences
RT: Coastal geodesy
Dynamical oceanography
Surface topography

Marine geology
UF: Geological oceanography
Submarine geology
BT: Geology
Marine sciences
NT: Shelf geology
RT: Oceanic crust
Oceanography
Sedimentology
Stratigraphy
Tectonics

Marine insurance
USE: Insurance

Marine invertebrates
BT: Aquatic animals
Marine organisms

Marine mammals
SN: Before 1982 search AQUATIC MAMMALS
UF: Mammals (marine)
BT: Aquatic mammals
Marine organisms

Marine meteorology
USE: Meteorology

Marine molluscs
UF: Molluscs (marine)
Mollusks (marine)
BT: Marine organisms
Shellfish
RT: Malacology
Mollusc culture
Mollusc fisheries

Marine organisms
BT: Aquatic organisms
NT: Marine birds
Marine crustaceans
Marine fish
Marine invertebrates
Marine mammals
Marine molluscs
Seaweeds
RT: Marine resources

Marine parks
SN: Marine areas protected against human impact.
UF: Marine reserves
BT: Protected areas

RT: Freshwater parks
Protected resources
Recreational waters
Refuges
Sanctuaries

Marine physics
USE: Physical oceanography

Marine plants
SN: Any microscopic or macroscopic vegetal organism living in the marine environment
BT: Aquatic plants
NT: Sea grass
Seaweeds

Marine policy
USE: Ocean policy

Marine pollution
BT: Water pollution
RT: Groundwater pollution
Ocean dumping

Marine propulsion
USE: Propulsion systems

Marine regressions
USE: Regressions

Marine reserves
USE: Marine parks

Marine resources
BT: Natural resources
RT: Food resources
Living resources
Marine organisms
Mineral resources
Renewable resources

Marine risers
USE: Riser pipes

Marine sciences
BT: Aquatic sciences
NT: Marine ecology
Marine geodesy
Marine geology
Oceanography
RT: Algology
Fishery sciences
Hydrobiology
Marine scientists
Marine technology
Planktonology

Marine scientists
UF: Oceanographers
BT: Scientific personnel
RT: Marine sciences

Marine sedimentation
USE: Sedimentation

Marine shrimp culture
USE: Shrimp culture

Marine snow
SN: Large, fragile, flocculent, rapidly sinking detrital organic aggregates, usually comprising a matrix of bacteria, phytoplankton, and protozoa; site of photosynthesis and nutrient regeneration, and an important food source for some zooplankton species. Before 1995 search SUSPENDED PARTICULATE MATTER
RT: Algal blooms
Suspended particulate matter

Marine structures
USE: Offshore structures

Marine technology
BT: Technology
RT: Coastal engineering
Marine sciences
Offshore engineering

Marine transgressions
USE: Transgressions

Marine transportation
SN: All forms of waterborne transportation
BT: Transportation
RT: Shipping
Shipping lanes

Marine turtles
USE: Aquatic reptiles

Marine water
USE: Sea water

Maritime legislation
BT: Legislation
RT: Fishery regulations

Maritime space
USE: Ocean space

Maritime structures
USE: Hydraulic structures

Marker buoys
BT: Buoys
Navigational aids

Market crab fisheries
USE: Crab fisheries

Market management
USE: Production management

Market prices
USE: Pricing

Market research
UF: Marketing research
RT: Cost analysis
Marketing
Pricing
Marketing
SN: All aspects related to the structure, process and logistics as well as performance of marketing system
UF: Commercialization
Markets
RT: Financing
Globalization
Management
Market research
Pricing
Product development
Trade
Marketing and distribution
USE: Marketing
Marketing legislation
USE: Commercial legislation
Marketing research
USE: Market research
Markets
USE: Marketing
Marking
SN: Any procedure which makes fish subsequently identifiable which does not employ the use of tags
UF: Electrophoretic marking
NT: Cold branding
RT: Staining
Tagging
Marl
RT: Argillaceous deposits
Clays
Marlstone
Mud
Sedimentary rocks
Marlstone
BT: Clastics
Sedimentary rocks
RT: Argillaceous deposits
Limestone
Lutites
Marl
Marsden chart
USE: Marsden squares
Marsden squares
UF: Marsden chart
BT: Geographical reference systems
RT: Geographical coordinates
Meteorological data
Oceanographic data
Marshes
UF: Bogs
BT: Wetlands
NT: Salt marshes
RT: Lenitic environment
Shallow water
Swamps
Mass
BT: Physical properties
RT: Conservation of mass
Weight
Mass culture
SN: Culture of organisms in large number. Before 1982 search PHYTOPLANKTON
CULTURE
BT: Aquaculture techniques
RT: Algal culture
Brine shrimp culture
Crustacean culture
Phytoplankton culture
Shrimp culture
Mass extinctions
RT: Climatic changes
Fish kill
Species extinction
Mass gravity transport (sediments)
SN: Use of a more specific term is recommended
BT: Sediment transport
NT: Debris flow
Slumping
Mass mortality
USE: Fish kill
Mass movement
BT: Sediment movement
NT: Slides
RT: Creep
Mass transport
Sediment transport
Slope stability
Mass spectroscopy
BT: Spectroscopic techniques
Mass transfer
RT: Convection
Diffusion
Energy transfer
Osmosis
Mass transfer (air-water exchanges)
USE: Moisture transfer
Mass transport
UF: Mass transport (water waves)
BT: Transport
RT: Mass movement
Sverdrup transport
Wave drift velocity
Mass transport (water currents)
USE: Volume transport
Mass transport (water waves)
USE: Mass transport
Mass transport velocity
USE: Wave drift velocity
Masticatory stomach
BT: Stomach
Masts
SN: Use only for masts on buoys to carry an array of meteorological instruments
UF: Buoy masts
RT: Buoys
Materials
SN: Use of a more specific term is recommended
NT: Alloys
Biogenic material
Buoyancy materials
Ceramics
Coating materials
Composite materials
Construction materials
Fibre glass
Gear materials
Hazardous materials
Insulating materials
Isotropic materials
Packaging materials
Plastics
Radioactive materials
Raw materials
Rubber
Wood
RT: Components
Materials technology
Materials testing
Materials science
USE: Materials technology
Materials technology
UF: Materials science
BT: Technology
RT: Materials
Materials testing
Materials testing
BT: Testing
NT: Nondestructive testing
RT: Materials
Materials technology
Tomography
Mathematical analysis
BT: Analysis
NT: Convolution
Deconvolution
Fourier analysis
Numerical analysis
Spectral analysis
Statistical analysis
RT: Green's function
Mathematics
Structural analysis
Mathematical models
UF: Compartmental models
Computer models
Numerical models
Stochastic models
BT: Models
NT: Economic models
Statistical models
Tidal models
RT: Algorithms
Analogs
Boundary conditions
Formulae
Game theory
Linear programming
Mathematics
Operations research
Probability theory
Scale models
Stochastic processes
System analysis

Mathematical programming
BT: Operations research
NT: Linear programming
RT: Game theory
Modelling

Mathematical tables
USE: Tables

Mathematics
RT: Biometrics
Computation
Eigenfunctions
Equations
Mathematical analysis
Mathematical models
Numerical analysis
Statistics

Maturation
USE: Sexual maturity

Maximum entropy spectral analysis
BT: Spectral analysis

Maximum sustainable yield
USE: Potential yield

Mean sea level
SN: Before 1982 search SEA LEVEL
BT: Sea level
RT: Geodesy
Geoid
Levelling
Tidal datum

Meandering
BT: Water motion
NT: Current meandering
RT: Fluid motion
River meanders

Meandering (currents)
USE: Current meandering
Meanders (current)
USE: Current rings
Meanders (rivers)
USE: River meanders
Means
USE: Resources

Measurement
UF: Measuring
Measuring techniques
NT: Calorimetry
Density measurement
Depth measurement
Flow measurement
Geochronometry
Granulometry
Gravimetry
Hygrometry
Light measurement
Photogrammetry
Pressure measurement
Salinity measurement
Sound measurement
Telemetry
Temperature measurement
Water level measurement
RT: Accuracy
Methodology

Measuring
USE: Measurement

Measuring devices
SN: Apparatus for measuring distance, volume, weight, etc.
UF: Measuring equipment
Measuring instruments
Micrometer calipers
BT: Equipment
NT: Altimeters
Barometers
Bathymeters
Chronometers
Compasses
Density measuring equipment
Flow measuring equipment
Gauges
Gravity meters
Hydrometers
Hygrometers
Light measuring instruments
Magnetometers
Manometers
Mesh gauges
Nephelometers
Penetrometers
Pressure gauges
Radiometers
Respirometers
Salinity measuring equipment
Scatterometers
Seismometers
Slope indicators
Speedometers
Tellurometers
Tensometers
Thermometers
Turbidimeters
Wave measuring equipment
RT: Instruments
Laboratory equipment
Limnological equipment
Oceanographic equipment
Recording equipment
Sensors
Test equipment

Measuring devices
USE: Measuring devices

Measuring techniques
USE: Measurement

Mechanical properties
BT: Physical properties
NT: Brittleness
Compressibility
Deformation
Elasticity
Flexibility
Strength
Toughness
Viscosity
Yield point
RT: Anisotropy
Stress (mechanics)
Stress-strain relations

Mechanical stimuli
BT: Stimuli
RT: Auditory organs
Lateral line
Mechanoreceptors

Mechanization
RT: Automation
Machinery
Mechanoreceptors
SN: Sense organs specialized to respond to mechanical stimuli such as pressure or deformation
BT: Sense organs
RT: Lateral line
Mechanical stimuli
Pressure effects

Median valleys
SN: Before 1982 search Rift Valleys
BT: Rift valleys
RT: Escarpments
Mid-ocean ridges
Plate divergence
Seafloor spreading
Submarine scarp

Medical practice
USE: Medicine

Mercury isotopes
UF: Reduction division
BT: Cell division
RT: Chromosomes
Karyology
Mitosis
Nuclei

Melanges
RT: Boudinage
Debris flow
Deformation
Olistostromes
Sediments
Melanophores
USE: Chromatophores

Melt water
BT: Ice melting
RT: Iceberg

Melting
BT: Phase changes
NT: Ice melting
RT: Freezing
Melting point
Solidification
Sublimation

Melting point
BT: Transition temperatures
RT: Melting

Membranes
NT: Biological membranes
Cell membranes
Membranes (biological)
USE: Biological membranes
Membranes (cells)
USE: Cell membranes

Merchant ships
UF: Cargo ships
BT: Ships
NT: Bulk carriers
Container ships
Passenger ships
Selected ships
Tanker ships
RT: Cargoes

Mercury
SN: Before 1982 search also Mercuric (Metal)
UF: Mercury (metal)
BT: Heavy metals
RT: Mercury compounds
Mercury isotopes

Mercury (metal)
USE: Mercury

Mercury compounds
BT: Chemical compounds
RT: Mercury
Organometallic compounds

Meridional atmospheric circulation
BT: Atmospheric circulation
RT: Meridional oceanic circulation

Meridional distribution
SN: Distribution North-South along lines of longitude. Used only as a qualifier
BT: Geographical distribution
RT: Hydrographic sections
Latitudinal variations
Meridional oceanic circulation
Zonal distribution

Meridional oceanic circulation
SN: North-South component of ocean circulation as seen in vertical section
BT: Ocean circulation
RT: Meridional atmospheric circulation
Meridional distribution
Vertical water movement

Meristic characters
USE: Meristic counts

Meristic counts
UF: Meristic characters
NT: Fin ray counts
Gillraker counts
Vertebræ counts
RT: Bony fins
Numerical taxonomy
Stock identification
Taxonomy

Meromictic lakes
BT: Lakes
RT: Meromixis

Meromixis
RT: Meromictic lakes

Meroplankton
UF: Temporary plankton
BT: Zooplankton
RT: Ichthyoplankton
Larvae
Veligers

Mesh gauges
BT: Measuring devices
RT: Mesh regulations
Mesh selectivity

Mesh regulations
BT: Fishery regulations
RT: Mesh gauges
Mesh selectivity
Size-limit regulations
Mesh selectivity
UF: Size selectivity
BT: Gear selectivity
RT: Mesh gauges
Mesh regulations

Mesocosms
RT: Microcosms

Mesopelagic zone
SN: Waters between about 200 and 500 m depth
BT: Oceanic province
RT: Bathyal-benthic zone
Euphotic zone

Mesoscale eddies
SN: Oceanic eddies of the order 100 km diameter
UF: Mid-ocean eddies
BT: Oceanic eddies
RT: Baroclinic instability
Conservation of vorticity
Current meandering
Eddy kinetic energy
Mesoscale features

Mesoscale features
UF: Mesoscale motion
NT: Frontal features
RT: Current meandering
Mesoscale eddies

Mesoscale motion
USE: Mesoscale features

Mesozoic
SN: Before 1982 search
MESOZOIC ERA
BT: Geological time
NT: Cretaceous
Jurassic
Triassic
RT: Phanerozoic

Messengers (chemicals)
USE: Hormones

Messinian
UF: Messinian events
BT: Miocene
RT: Palaeosalinity

Messinian events
USE: Messinian

Metabolic diseases
USE: Metabolic disorders

Metabolic disorders
UF: Metabolic diseases
BT: Diseases
RT: Metabolism
Nutrition disorders

Metabolic processes
USE: Metabolism

Metabolic rate
USE: Metabolism

Metabolism
UF: Metabolic processes
Metabolic rate
NT: Anabolism
Animal metabolism
Catabolism
Plant metabolism
RT: Activation
Allometry
Biochemical oxygen demand
Biochemical phenomena
Bioenergetics
Body temperature
Digestion
Dormancy
Endocrinology
Energy flow
Enzymatic activity
Enzyme inhibitors
Glands
Growth
Hibernation
Hormones
Metabolic disorders
Metabolites
Nutrition
Oxygen consumption
Oxygen demand
Physiology
Radioactivity
Respiration
Water balance

Metabolites
RT: Biological poisons
Ectocrines
Metabolism

Metal fatigue
BT: Fatigue (materials)
RT: Stress corrosion

Metal ions
BT: Ions
RT: Metals

Metalimnion
UF: Seasonal thermocline (lakes)
Thermocline (lakes)
RT: Epilimnion
Hypolimnion
Intermediate water masses
Seasonal thermocline
Thermal stratification
Thermocline
Metallic elements
USE: Metals

Metalliferous brines
USE: Hot brines

Metalliferous sediments
BT: Chemical sediments
RT: Copper

Metallogenesis
UF: Metallogeny
RT: Metalliferous sediments
Mineral deposits

Metallurgy
BT: Technology
RT: Alloys
Mineral resources

Metals
UF: Metallic elements
Metals (chemical elements)
BT: Chemical elements
NT: Alkali metals
Alkaline earth metals
Heavy metals
Rare earths
Transition elements
Transuranic elements
RT: Alloys
Chelates
Metal ions
Organometallic complexes
Steel
Trace metals

Metals (chemical elements)
USE: Metals

Metals (materials)
USE: Alloys

Metamorphic facies
BT: Facies
NT: Amphibolite facies
Greenschist facies

Metamorphic rocks
BT: Rocks
NT: Amphibolites
Schists
Serpentinite
RT: Metamorphism
Slates
Zeolites
Asfa Thesaurus

Metamorphism
NT: Hydrothermal alteration
RT: Low temperature
Metamorphic rocks
Metasomatism

Metamorphosis
SN: Any marked change in stage of life cycle
BT: Biological phenomena
NT: Moulting
RT: Developmental stages
Larval development
Life cycle

Metasomatism
RT: Chertification
Diagenesis
Hydrothermal alteration
Metamorphism
Serpenitization
Silicification

Meteorological balloons
USE: Balloons

Meteorological buoys
USE: Data buoys

Meteorological charts
SN: Use of a more specific term is recommended
BT: Maps
NT: Weather maps
RT: Meteorological data
Meteorology

Meteorological data
BT: Data
NT: Climatic data
Meteorological observations
Wind data
RT: Marsden squares
Meteorological charts
Meteorological instruments
Meteorology

Meteorological equipment
USE: Meteorological instruments

Meteorological forcing
USE: Atmospheric forcing

Meteorological fronts
USE: Atmospheric fronts

Meteorological instruments
UF: Meteorological equipment
BT: Instruments
NT: Rain gauges
RT: Actinometers
Balloons
Lidar
Meteorological data
Radiosondes
Sodar
Wind measuring equipment

Meteorological observations
BT: Meteorological data
RT: Weather maps
Meteorological satellites
USE: Scientific satellites

Meteorological tables
UF: Conversion tables
(meteorology)
BT: Tables
RT: Conversion tables
Nautical almanacs
Oceanographic tables

Meteorological tides
BT: Tides
RT: Atmospheric tides
Lunar tides
Radiational tides
Solar tides
Storm surges

Meteorologists
UF: Climatologists
BT: Scientific personnel
RT: Meteorology

Meteorology
UF: Marine meteorology
BT: Atmospheric sciences
NT: Polar meteorology
Tropical meteorology
RT: Air-sea coupling
Air-sea interaction
Atmospheric disturbances
Atmospheric fronts
Atmospheric motion
Atmospheric physics
Atmospheric precipitations
Atmospheric pressure
Earth atmosphere
Meteorological charts
Meteorological data
Meteorologists
Oceanography
Weather
Weather forecasting

Methane
BT: Acyclic hydrocarbons
RT: Chloroform
Gas hydrates
Methanogenesis

Methanogenesis
RT: Methane

Methionine
BT: Amino acids

Methodology
UF: Methods
RT: Analytical techniques
Graphic methods
Manuals
Measurement

Planning
Standardization
System analysis
Technology

Methods
USE: Methodology

Methyl mercury
BT: Organometallic compounds

Micas
BT: Silicate minerals
NT: Biotite
Glimaunite
Muscovite
RT: Slates

Microbenthos
USE: Benthos

Microbial activity
USE: Microorganisms

Microbial contamination
UF: Biological contamination
Microbial pollution
BT: Pollution
RT: Biological pollutants
Botulism
Diseases
Disinfection
Food poisoning
Fungi
Microbiological analysis
Microbiology
Microorganisms
Pathogens
Public health

Microbial degradation
USE: Biodegradation

Microbial mats
Microbial pollution
USE: Microbial contamination

Microbiological analysis
BT: Analysis
RT: Fungi
Microbiological contamination
Microbiological culture
Microbiology
Microorganisms

Microbiological culture
BT: Laboratory culture
RT: Cultured organisms
Fungi
Microbiological analysis
Microbiology
Microorganisms

Microbiologists
BT: Biologists
RT: Microbiology
Microbiology
  BT: Biology
  NT: Bacteriology
  Mycology
  Virology
  RT: Food technology
  Infectious diseases
  Microbial contamination
  Microbiological analysis
  Microbiological culture
  Microbiologists
  Microorganisms
  Parasitology
  Pharmacology
  Taxonomy

Microcards
  USE: Microforms

Microcomputers
  USE: Computers

Microcosms
  RT: Mesocosms

Microearthquakes
  BT: Earthquakes
  RT: Microseisms

Microfauna
  USE: Microorganisms

Microfiches
  USE: Microforms

Microfilms
  USE: Microforms

Microflora
  USE: Microorganisms

Microforms
  UF: Microcards
  Microfiches
  Microfilms
  RT: Documents
  Microphotography

Microhabitats
  BT: Habitat
  RT: Biotopes

Microinjection

Micrometer calipers
  USE: Measuring devices

Micronekton
  USE: Nekton

Microorganisms
  SN: Before 1982 search MICRO-ORGANISMS
  UF: Microbial activity
  Microfauna
  Microflora

Microbiology
  NT: Bacteria
  Viruses
  Yeasts
  RT: Aquatic organisms
  Epipsammion
  Fungi
  Microbial contamination
  Microbiological analysis
  Microbiological culture
  Microbiology
  Nanoplankton

Microplaeontology
  BT: Palaeontology
  RT: Foraminifera
  Geoid
  Stratigraphy

Microphones
  BT: Acoustic transducers
  RT: Hydrophones

Microphotography
  BT: Photography
  RT: Microforms

Microprocessors
  RT: Computers

Microscopes
  UF: Light microscopes
  Optical microscopes
  BT: Laboratory equipment
  RT: Microscopy

Microscopy
  BT: Analytical techniques
  NT: Electron microscopy
  Fluorescence microscopy
  Light microscopy
  RT: Chemical analysis
  Cytology
  Histology
  Microscopes

Microseisms
  BT: Seismic waves
  RT: Microearthquakes

Microsomes
  USE: Ribosomes

Microstructure
  SN: Variations in the distribution of temperature, salinity and velocity on a scale of 10 cm or less
  UF: Oceanic microstructure
  BT: Spatial variations
  NT: Salinity microstructure
  Thermal microstructure
  Velocity microstructure
  RT: Double diffusion
  Finestructure
  Oceanic turbulence
  Salt fingers

Microtopography
  RT: Bottom erosion
  Pock marks
  Seachannels

Microwave imagery
  UF: Radiometers (microwave)
  BT: Imagery
  NT: Radar imagery
  RT: Microwave radiometers
  Microwaves
  Satellite mosaics
  Satellite sensing

Microwave radar
  BT: Radar
  NT: Synthetic aperture radar
  RT: Microwaves

Microwave radiometers
  BT: Radiometers
  RT: Microwave imagery
  Microwaves

Microwaves
  UF: Microwave radiation
  BT: Electromagnetic radiation
  RT: Communication systems
  Microwave imagery
  Microwave radar
  Microwave radiometers
  Scatterometers

Midlatitude anticyclones
  USE: Anticyclones

Midlatitude cyclones
  USE: Cyclones

Mid-ocean eddies
  USE: Mesoscale eddies

Mid-ocean ridges
  USE: Mid-ocean ridges

Mid-ocean ridges
  UF: Mid-ocean ridges
  Mid-ocean rises
  Mid-oceanic ridges
  Rise (oceanic)
  BT: Submarine ridges
  RT: Diverging plate boundaries
  Fracture zones
  Median valleys
  Plate divergence
  Seafloor spreading
  Seismic ridges
  Transform faults

Mid-ocean rises
  USE: Mid-ocean ridges

Mid-oceanic ridges
  USE: Mid-ocean ridges
Midwater cages
USE: Submerged cages

Midwater trawls
UF: Beam trawls (midwater)
Floating trawls
Otter trawls (midwater)
Pair trawls (midwater)
BT: Trawl nets

Migrant species
USE: Migratory species

Migrations
UF: Animal migrations
BT: Behaviour
NT: Feeding migrations
Imigrations
Oceanodromous migrations
Potadromous migrations
Spawning migrations
Vertical migrations
RT: Activity patterns
Animal navigation
Autecology
Avoidance reactions
Ecological distribution
Geographical distribution
Horizontal distribution
Migratory species
Orientation behaviour
Overwintering
Phenology
Photoperiodicity
Regional variations
Seasonal distribution

Migratory species
UF: Highly migratory species
Migrant species
BT: Species
RT: Endemic species
Migrations
Overwintering
Sedentary species

Military activities
USE: Military operations

Military oceanography
BT: Oceanography
RT: Defence craft
Military operations
Undersea warfare

Military operations
UF: Military activities
RT: Defence craft
Military oceanography
Military ports
Security
Surveillance and enforcement
Undersea warfare

Military ports
BT: Harbours
RT: Artificial harbours

Military operations
Naval bases

Mineral exploration
UF: Exploratory mining
BT: Geophysical exploration
Resource exploration
RT: Concessions
Mineral deposits
Mineral industry
Offshore operations
Placer mining
Sediment sampling

Mineral industry
SN: Industries of mineral resources
or extraction of mineralized products of organic origin
BT: Industries
RT: Desalination plants
Mineral exploration
Mineral processing
Mineral resources
Mining

Minerals
Mineral oils
USE: Petroleum

Mineral processing
RT: Mineral industry
Mineral resources
Process plants

Mineral resources
BT: Natural resources
NT: Mineral deposits
Ores
RT: Marine resources
Metalliferous sediments
Metallurgy
Mineral collections
Mineral composition
Mineral industry
Mineral processing
Mining
Nodules
Nonrenewable resources
Salts
Underwater exploitation
Underwater exploration

Mineral rights
USE: Concessions

Mineral salts
USE: Salts

Mineral samples
BT: Geological samples
RT: Mineral deposits
Mineralogy

Mineralization
RT: Mineral deposits

Mineralogy
RT: Geochemistry
Geology
Mineral composition
Mineral samples
Minerals
Sediment chemistry
Sedimentology

Minerals
NT: Borate minerals
Carbonate minerals
Graphite
Halide minerals
Heavy minerals
Light minerals
Manganese minerals
Oxide minerals
Phosphate minerals
Silicate minerals
Sulphate minerals
Sulphide minerals
RT: Mineral deposits
Mineralogy
Mining

Minicomputers
USE: Computers

Mining
UF: Exploitation (minerals)
NT: Deep-sea mining
Placer mining
RT: Mine tailings
Mineral industry
Mineral resources
Minerals
Mining equipment
Mining legislation

Mining equipment
BT: Equipment
RT: Hydraulic systems
Mining
Mining vessels

Mining legislation
BT: Legislation
RT: Concessions
Mining
Oil and gas legislation

Mining vessels
RT: Deep-sea mining
Mining equipment
Surface craft

Miocene
SN: Before 1982 search
MIOCENE EPOCH
BT: Neogene
NT: Messinian

Mirages
USE: Atmospheric optical phenomena

Mist
USE: Fog

Mistral
USE: Local winds

Mitochondria
SN: Before 1995 search
ORGANELLES
BT: Cell organelles

Mitosis
UF: Karokinesis
BT: Cell division
RT: Chromosomes
Karyology
Meiosis
Nuclei

Mixed gas
UF: Helium oxygen mixture
BT: Breathing mixtures

Mixed layer
BT: Water column
NT: Bottom mixed layer
Surface mixed layer
RT: Isohalines
Mixed layer depth

Mixed layer depth
UF: Thermocline depth
BT: depth
RT: Atmospheric forcing
Hurricanes
Mixed layer
Pycnocline
Thermocline

Mixed species culture
USE: Polyculture

Mixing (sediments)
USE: Sediment mixing

Mixing (water)
USE: Water mixing

Mixing length
BT: Length
RT: Eddy flux
Eddy viscosity
Exchange coefficients
Shear flow
Vortices

Mixing processes
RT: Aeration
Bioburdenation
Cabling
Diffusion
Dispersion
Downwelling
Gas turbulence
Interfaces
Overtur
Sediment mixing
Trans-isopycnal mixing
Turbulent diffusion
Turbulent entrainment
Upwelling
Water mixing

Mixing ratio
BT: Dimensionless numbers
Ratios
RT: Dew point
Humidity
Water vapour

Mobile platforms
SN: Towed or self-propelled structures
with the working level above water
operated in a fixed position, excluding
vessels in conventional ship form
BT: Floating structures
NT: Jackup platforms
Semisubmersible platforms
Submersible platforms
RT: Decks
Fixed platforms

Mobility
RT: Immobilization
Locomotion
Motion

Modelling
SN: Before 1982 search
SIMULATION
RT: Mathematical programming
Models
Simulation
Spatial analysis

Models
NT: Analog models
Mathematical models
Scale models
RT: Computation
Modelling
Prototypes
Simulators

Modes
NT: Baroclinic mode
Barotropic mode

Modifiers
USE: Additives

Modules
SN: Use for prefabricated units of equipment
UF: Skid mounted units
RT: Equipment

Moho
UF: Mohorovicic discontinuity
BT: Seismic discontinuities
RT: Asthenosphere
Basement rock
Continental drift
Earth mantle
Earth structure
Lithosphere
Plate tectonics
Seafloor spreading
Seismic velocities
Tectonophysics
Mohorovicic discontinuity
USE: Moho

Moisture
RT: Evaporation
Moisture transfer
Water vapour

Moisture content
USE: Water content

Moisture flux
USE: Moisture transfer

Moisture transfer
UF: Mass transfer (air-water exchanges)
Moisture flux
Water vapour transfer
RT: Air-water exchanges
Air-water interface
Atmospheric boundary layer
Energy transfer
Evaporation
Moisture

Molecular biology
SN: Used only for general overviews; use of a more specific term is recommended
BT: Biology

Molecular diffusion
BT: Diffusion
NT: Double diffusion
RT: Osmosis

Molecular heat conduction
USE: Heat conduction

Molecular hybridization
USE: Hybridization

Molecular mass
USE: Molecular weight

Molecular structure
RT: Molecular weight
Molecules

Molecular taxonomy
USE: Chemotaxonomy

Molecular viscosity
BT: Viscosity
RT: Laminar flow
Momentum transfer

Molecular weight
UF: Molecular mass
BT: Weight
RT: Chemical properties
Molecular structure

Molecules
RT: Ligands
Molecular structure

Mollusc culture
UF: Conch culture
Mollusk culture
BT: Shellfish culture
NT: Clam culture
Mussel culture
Oyster culture
Scallop culture
Squid culture
RT: Brackishwater molluscs
Freshwater molluscs
Marine molluscs
Raft culture

Molluscs (marine)
USE: Marine molluscs
Molting
USE: Moulting

Molybdenum
BT: Heavy metals
Transition elements
RT: Ferromanganese nodules
Molybdenum compounds
Molybdenum isotopes

Molybdenum compounds
BT: Chemical compounds
RT: Molybdenum

Molybdenum isotopes
BT: Isotopes
RT: Molybdenum

Momentum
NT: Angular momentum
RT: Conservation of momentum
Diffusion
Mechanics
Momentum transfer

Momentum conservation
USE: Conservation of momentum

Momentum flux
USE: Momentum transfer

Momentum transfer
UF: Momentum flux
RT: Air-water exchanges
Air-water interface
Atmospheric boundary layer
Dynamic viscosity
Eddy viscosity
Energy transfer
Molecular viscosity
Momentum
Prandtl number
Reynolds stresses
Wave interactions
Wave-current interaction
Wind wave generation

Monazite
BT: Phosphate minerals
RT: Placers
Thorium

Monin-Obukhov length
RT: Density stratification
Stability
Water density

Monitoring
NT: Environmental monitoring
RT: Baseline studies
Control
Inspection
Long-term changes
Monitoring systems
Monitoring stations
USE: Monitoring systems

Monitoring systems
SN: Before 1982 search
MONITORING STATIONS
UF: Monitoring stations
RT: Equipment
Fixed stations
Monitoring
Recording equipment
Telemetry

Monoclonal antibodies
BT: Antibodies

Monoculture
UF: Monospecific culture
BT: Aquaculture techniques
RT: Axenic culture
Cage culture
Crustacean culture
Fish culture
Freshwater aquaculture
Polyculture
Raceway culture

Monocyclic hydrocarbons
USE: Aromatic hydrocarbons

Monographs
USE: Synopsis

Monolayers
USE: Monomolecular films

Monomolecular films
UF: Monolayers
BT: Surface films
RT: Surface microlayer

Monosaccharides
BT: Saccharides
NT: Arabinose
Fucose
Glucose
Mannose
Ribose
Xylose

Monosex culture
BT: Aquaculture techniques
RT: Fish culture
Intensive culture

Monospecific culture
USE: Monoculture

Monoterpenes
USE: Terpenes

Monsoon reversal
RT: Current reversal
Equatorial circulation
Equatorial dynamics
Monsoons
Tropical oceanography

Monsoons
BT: Planetary winds
RT: Monsoon reversal
Rainy season
Sea breezes
Tropical environment
Tropical meteorology
Tropical oceanography

Monthly
BT: Periodicity

Monthly distribution
BT: Temporal distribution

Montmorillonite
BT: Clay minerals
RT: Bentonite

Moon
RT: Astronomy
Moon phases
Moon effects
USE: Moon phases

Moon phases
SN: Moon phases and their influence on behaviour of aquatic organisms and on sea level
UF: Lunar cycles
Lunar effects
Moon effects
RT: Astronomy
Circadian rhythms
Cycles
Moon
Nictemeral rhythms
Tides

Mooring buoys
BT: Buoys
NT: Loading buoys
RT: Berthing
Mooring lines
Mooring systems

Mooring lines
BT: Cables
RT: Catenary
Chain
Mooring buoys
Mooring motion effects
Mooring systems
Ropes
Towing lines

Mooring motion effects
SN: Influence of motion on instrumental observations made from moored equipment
BT: Motion effects
RT: Buoy motion effects
Mooring lines
Mooring systems

Mooring recovery
SN: Recovery of moorings for oceanographic equipment
BT: Recovery
RT: Buoy mooring systems

Mooring ships
USE: Berthing

Mooring systems
SN: Use of a more specific term is recommended. Before 1982 search also MOORINGS
UF: Moorings
NT: Buoy mooring systems
Current meter moorings
Ship mooring systems
RT: Anchoring
Mooring buoys
Mooring lines
Mooring motion effects

Moorings
USE: Mooring systems

Moraines
BT: Glacial features
RT: Glacial deposits

Moratoria
SN: A mandatory cessation of fishing activities on a species, in an area, with a particular gear, and for a specified period of time.
UF: Moratorium
BT: Fishery regulations

Moratorium
USE: Moratoria

Morbidity
USE: Diseases

Morison's equation
BT: Equations
RT: Wave forces

Morphogenesis
SN: The development of form and structure of an organism or part of an organism
NT: Gametogenesis
RT: Embryology
Embryonic development
Evolution
Genetics
Ontogeny
Organism morphology
Organogenesis
Vitellogenesis

Morphology (animal)
USE: Animal morphology

Morphology (biology)
USE: Organism morphology
Morphology (coastal)
USE: Coastal morphology

Morphology (organisms)
USE: Organism morphology

Morphology (plant)
USE: Plant morphology

Morphometric analysis
USE: Morphometry

Motion
UF: Movement
NT: Anticyclonic motion
Atmospheric motion
Buoy motion
Cyclonic motion
Fluid motion
Ground motion
Particle motion
Rotation
Sediment movement
Ship motion
Tidal motion
Water motion
RT: Displacement
Drift
Inertia
Mobility
Motion effects
Oscillations

Motion effects
SN: Effects of motion on instrumental observations
NT: Buoy motion effects
Mooring motion effects
RT: Motion

Motion sickness
USE: Sea sickness

Motor boats
SN: Before 1982 search BOATS
BT: Boats

Motor fuels
USE: Fuels

Motors
UF: Engines
NT: Diesel engines
Turbines
RT: Electric generators
Electric power sources
Propulsion systems

Moulting
UF: Ecdysis
Molting
Moult
Moults
BT: Metamorphosis
RT: Ecdyson

Moult
USE: Moult

Moulting
USE: Moult

Moulting cycle
USE: Moult

Mountain building
USE: Orogeny

Mountains
BT: Landforms
RT: Orogeny
Seamounts
Submarine ridges

Mouth parts
SN: Used for animals only
NT: Baleens
Teeth
RT: Alimentary organs

Movement
USE: Motion

Movements (local)
USE: Local movements

mtDNA
SN: DNA of the mitochondria; carrier of genetic information useful in examining genetic identity of an individual
BT: DNA

Mucins
UF: Mucoproteins
BT: Proteins
RT: Exocrine glands
Mucins

Mucopolysaccharides
BT: Polysaccharides
NT: Chitin
Heparin

Mucoproteins
USE: Mucins

Mucus
BT: Body fluids
Secretory products
RT: Exocrine glands
Mucins

Mud
BT: Clastics
NT: Fluid mud
RT: Clays
Cohesive sediments
Marl
Mud banks
Mud flats
Oozes
Silt
Sludge
Slurries
Soils
Tidal flats

Mud banks
BT: Banks (topography)
Bed forms
RT: Mud
Sand banks
Submarine banks
Tidal flats
Mud flats
BT: Sedimentary structures
RT: Mud

Mud volcanoes
SN: Formations created when mud and sand under the surface are squeezed upward by compressive forces and/or gas - commonly found in areas rich in oil and natural gas.
BT: Volcanoes
RT: Continental shelves
Petroleum geology

Mudflows
USE: Debris flow

Muds (drilling)
USE: Drilling fluids

Mudstone
BT: Clastics
Sedimentary rocks
RT: Lutites
Siltstone
Slates

Mullet fisheries
BT: Finfish fisheries

Multibeam sonar
BT: Active sonar

Multinational expeditions
USE: Multiship expeditions

Multiphase flow
UF: Three phase flow
Two phase flow
BT: Fluid flow
RT: Laminar flow
Turbulent flow
Unsteady flow

Multiple use of resources
RT: Exploitation
Natural resources

Multiship expeditions
SN: Surveys involving the use of two or more research vessels
UF: Expeditions (multiship)
International expeditions
Multinational expeditions
BT: Expeditions
RT: Cruises
Research vessels

Multispecies fisheries
BT: Fisheries
RT: Catch composition
Dominant species
Ecological succession

Multispectral scanners
RT: Radiometers
Remote sensing equipment
Satellite photography
Water colour

Multivariate analysis
BT: Variance analysis

Muscle fibers
USE: Muscles

Muscles
UF: Muscle fibers
Red muscles
Smooth muscles
Striated muscles
Tendous musculature
White muscles
BT: Musculoskeletal system
RT: Actin
Cholinesterase inhibitors
Glycogen
Myoglobin
Myosin
Tissues

Muscovite
BT: Micas

Muscular system
USE: Musculoskeletal system

Musculoskeletal system
SN: Before 1982 search MUSCULAR SYSTEM and/or SKELETON
UF: Muscular system
NT: Muscles
Skeleton
RT: Cartilage
Connective tissues

Museum collections
BT: Collections
RT: Museums

Museums
BT: Information centres
RT: Exhibitions
Museum collections

Mussel culture
SN: Before 1982 use MOLLUSC CULTURE
BT: Mollusc culture
RT: Mussel fisheries
Spat

Mussel fisheries
BT: Mollusc fisheries
RT: Mussel culture

Mutagenesis
Mutagenic agents
USE: Mutagens

Mutagens
SN: Substances producing mutations
UF: Mutagenic agents
BT: Agents
RT: Genetics
Mutations

Mutations
SN: Change in the characteristics of an organism by alteration of hereditary material
UF: Chromosome mutations
Gene mutations
Lethal mutations
Somatic mutations
BT: Biological phenomena
RT: Biological speciation
Bioselection
Chromosomes
Degeneration
Evolution
Genes
Genetic abnormalities
Genetic drift
Genetics
Genotypes
Mutagens
New species

Mutualism
USE: Symbiosis

Mycobacterial infections
USE: Tuberculosis

Mycology
BT: Microbiology
RT: Fungal diseases
Fungi
Fungicides
Parasitology

Mycoses
USE: Fungal diseases

Mycotic diseases
USE: Fungal diseases

Myoglobins
BT: Proteins
RT: Blood
Muscles

Myoneme
USE: Cell organelles

Myosin
BT: Proteins
RT: Muscles

Nannofossil ooze
RT: Calcareous ooze
Coccoliths
Nannoplankton
SN: Planktonic organisms smaller than 60 microns
UF: Bacterioplankton
Nanoplankton
BT: Plankton
RT: Bacteria
Filter feeders
Microorganisms
Nanoplankton
USE: Nannoplankton
Nansen bottles
USE: Water samplers

Naphthalene
BT: Aromatic hydrocarbons

Nappes
SN: Large horizontal recumbent tectonic folds that have travelled along thrust planes
BT: Folds
RT: Tectonics

Narcosis
NT: Nitrogen narcosis

Narcotics
BT: Drugs
RT: Anaesthetics

Natality
USE: Fecundity

National allocation
USE: Allocation systems

National boundaries
USE: International boundaries

National planning
UF: Planning (national)
BT: Planning
RT: Regional planning

Native fishing
USE: Indigenous fishing

Natural breeding
USE: Breeding

Natural disasters
USE: Disasters

Natural fibre rope
USE: Fibre rope (natural)

Natural food
USE: Food organisms

Natural frequency
USE: Resonant frequency

Natural gas
BT: Fossil fuels
Gases
NT: Liquefied natural gas
RT: Crude oil
Gas condensates
Gas fields
Gas production
Gas seepages
Gas terminals
Oil
Oil and gas exploration
Oil and gas industry
Oil and gas legislation
Oil-gas interface
Petroleum

Natural habitat
USE: Habitat

Natural immunity
USE: Immunity

Natural increase
USE: Biological production

Natural mortality
UF: Natural mortality coefficient
BT: Mortality
RT: Biotic pressure
Diseases
Predation
Total mortality

Natural mortality coefficient
USE: Natural mortality

Natural populations
SN: All individuals of a certain species inhabiting a specified region
UF: Populations (natural)
NT: Animal populations
Plant populations
RT: Population characteristics
Population control
Population dynamics
Population factors
Population functions
Population genetics
Population structure

Natural production
USE: Biological production

Natural resources
SN: Restricted to resources within or beneath the aquatic environment
UF: Aquatic natural resources
BT: Resources
NT: Common property resources
Energy resources
Food resources
Living resources
Marine resources
Mineral resources
Nonrenewable resources
Renewable resources
Unconventional resources

Water resources
RT: Multiple use of resources
Protected resources
Rare resources
Raw materials
Resource conservation
Resource management

Natural selection
UF: Survival of the fittest
BT: Bioselection
RT: Competition
Environmental effects

Nature conservation
UF: Wildlife conservation
BT: Conservation
RT: Environment management
Rare species
Sanctuaries
Species extinction
Nature reserves
SN: Before 2008 search MARINE PARKS
USE: Protected areas

Nauplii
BT: Crustacean larvae

Nautical almanacs
UF: Ephemeris
BT: Almanacs
RT: Meteorological tables
Navigational tables

Nautical archaeology
USE: Archaeology

Nautical bottom
USE: Water depth

Nautical charts
USE: Navigational charts

Naval architecture
USE: Ship technology

Naval bases
BT: Harbours
RT: Defence craft
Military ports

Naval craft
USE: Defence craft

Naval engineering
USE: Ship technology

Naval technology
USE: Ship technology

Navier-Stokes equations
BT: Equations
RT: Hydrodynamics
Reynolds stresses
ASFA THESAURUS

Naviface
USE: Air-water interface

Navigable channels
USE: Navigational channels

Navigation
SN: Use of a more specific term is recommended; used only for general aspects
UF: Surface navigation
NT: Acoustic navigation
Celestial navigation
Dead reckoning
Inertial navigation
Navigation in ice
Navigation underwater
Radar navigation
Radio navigation
Satellite navigation
RT: Animal navigation
Direction finding
Dynamic positioning
Navigation policy
Navigation regulations
Navigational aids
Navigational buoys
Navigational hazards
Position fixing
Seamanship
Ship handling
Ship routeing
Standard signals

Navigation (animal)
USE: Animal navigation

Navigation canals
USE: Ship canals

Navigation channels
USE: Navigational channels

Navigation in ice
SN: Before 1982 search ICE NAVIGATION
UF: Ice navigation
Polar navigation
BT: Navigation
RT: Ice
Ice breakers
Ice breaking
Ice breakup
Ice jams
Ice routeing
Ice-free periods
Leads
Navigation under ice
Polar exploration

Navigation policy
BT: Policies
RT: Navigation
Navigation regulations

Navigation regulations
UF: Navigational regulations

Shipping rules
BT: Legislation
NT: Harbour regulations
RT: Collision avoidance
Navigation
Navigation policy
Shipping
Traffic management

Navigation systems
RT: Autopilots
Navigational aids

Navigation under ice
BT: Navigation underwater
RT: Inertial navigation
Navigation in ice
Polar exploration

Navigation underwater
UF: Seabed acoustic position fixing
Underwater navigation
BT: Navigation
NT: Navigation under ice
RT: Acoustic navigation
Acoustic tracking systems
Inertial navigation

Navigational aids
NT: Acoustic beacons
Compasses
Lighthouses
Marker buoys
Navigational buoys
Navigational charts
Navigational tables
RT: Autopilots
Lightships
Navigation
Navigation systems
Position fixing
Radar

Navigational buoys
SN: Before 1982 search also NAVIGATION BUOYS
BT: Buoys
Navigational aids
RT: Navigation

Navigational channels
UF: Navigable channels
Navigation channels
BT: Channels
RT: Ship canals

Navigational charts
SN: Before 1982 search also NAVIGATION CHARTS
UF: Lattice charts
Nautical charts
Pilot charts
BT: Maps
Navigational aids
RT: Hydrographic surveys
Navigational hazards
Navigational tables

Navigational hazards
BT: Hazards
RT: Navigation
Navigational charts
Shoals
Wrecks

Navigational regulations
USE: Navigation regulations

Navigational satellites
BT: Satellites
RT: Satellite navigation

Navigational tables
BT: Navigational aids
Tables
RT: Decca
Loran
Nautical almanacs
Navigational charts
Oceanographic tables
Omega

Neap tides
BT: Tides

Near-bottom currents
USE: Bottom currents

Nearshore bars
UF: Bars
Offshore bars
Submarine bars
BT: Beach features
NT: Break-point bars
Longshore bars
Transverse bars
RT: Barrier beaches
Bed forms
Deposition features
Destructive waves
Nearshore dynamics
Sand bars

Nearshore circulation
USE: Nearshore dynamics

Nearshore currents
SN: Before 1982 search LITTORAL CURRENTS and ONSHORE CURRENTS
UF: Coastal currents (littoral)
Inshore currents
Littoral currents
Onshore currents
BT: Water currents
NT: Longshore currents
Rip currents
Undertow
RT: Coastal currents
Coastal oceanography
Estuarine dynamics
Nearshore dynamics
Upwelling
Wind-driven currents
Nearshore dynamics
UF: Nearshore circulation
BT: Shelf dynamics
RT: Bay dynamics
Coastal boundary layer
Coastal jets
Coastal oceanography
Coastal waters
Dynamical oceanography
Estuarine dynamics
Lake dynamics
Nearshore bars
Nearshore currents
Nearshore sedimentation
Surf zone
Waves on beaches
Nearshore environment
USE: Coastal zone
Nearshore oceanography
USE: Coastal oceanography
Nearshore sedimentation
UF: Littoral sedimentation
BT: Sedimentation
RT: Intertidal sedimentation
Littoral deposits
Nearshore dynamics
Sedimentary environments
Sublittoral zone
Near-surface circulation
USE: Surface circulation
Near-surface layer
SN: Part of surface layer in which surface water wave motion is a major factor in buoy and mooring motions and instrument observations, e.g. current meter readings
BT: Surface layers
RT: Surface microlayer
Surface water waves
Necroses
UF: Gangrenes
Piscine erythrocyte necrosis
BT: Symptoms
NT: Ulcerative dermal necrosis
RT: Anoxia
Cells
Diseases
Injuries
Necton
USE: Nekton
Necton collecting devices
USE: Nekton collecting devices
Negative ions
USE: Anions
Nehrung
USE: Barrier spits
Nekton
UF: Micronekton
Necton
BT: Aquatic communities
RT: Nekton collecting devices
Nekton collecting devices
UF: Nekton collecting devices
BT: Collecting devices
RT: Fishing nets
Nekton
Zooplankton
Nematocysts
USE: Stinging organs
Neodymium
BT: Lanthanides
RT: Neodymium isotopes
Neodymium isotopes
BT: Isotopes
RT: Neodymium
Neogene
UF: Upper tertiary
BT: Tertiary
NT: Miocene
Pliocene
Neon
BT: Rare gases
RT: Neon isotopes
Neon isotopes
BT: Isotopes
RT: Neon
Neoplasms
USE: Tumours
Neoteny
SN: Retention of larval characters beyond the usual period
UF: Paedomorphism
BT: Biological properties
RT: Larvae
Nepheloid layer
UF: Nepheloid zone
BT: Discontinuity layers
RT: Continental rise
Contour currents
Light scattering
Nephelometers
Suspended particulate matter
Turbidity
Turbidity currents
Nepheloid zone
USE: Nepheloid layer
Nephelometers
BT: Measuring devices
RT: Light measuring instruments
Nepheloid layer
Photometers
Water transparency
Nephrons
USE: Kidneys
Neptunium
BT: Actinides
Transuranic elements
RT: Neptunium isotopes
Neptunium isotopes
BT: Isotopes
RT: Neptunium
Neritic province
SN: All of the water mass from the lowest tide line to the outer edge of the continental shelf
UF: Neritic region
Neritic zone
BT: Pelagic environment
RT: Continental shelves
Epipelagic zone
Littoral zone
Oceanic province
Neritic region
USE: Neritic province
Neritic zone
USE: Neritic province
Nerve cells
USE: Neurons
Nerve fibers
USE: Nerves
Nerve ganglia
USE: Ganglia
Nerve tissues
USE: Nervous tissues
Nerves
UF: Afferent nerves
Efferent nerves
Nerve fibers
Peripheral nerves
BT: Peripheral nervous system
RT: Brain
Connective tissues
Ganglia
Nervous tissues
Nervous system
BT: Anatomical structures
NT: Autonomic nervous system
Central nervous system
Peripheral nervous system
RT: Nervous tissues
Neurons
Neurophysiology
Neurosecretion
Neurosecretory system
Neurotransmitters
Synapses
Thyroid
Nervous tissues
UF: Nerve tissues
BT: Tissues
RT: Ganglia
Nerves
Nervous system
Neurons
Neurosecretion
Sense organs

Nest
UF: Nesting activity
Nesting behaviour
RT: Bird eggs
Breeding
Breeding seasons
Breeding sites
Clutch
Hatching
Nests
Reproductive behaviour

Nest activity
USE: Nesting

Nest behaviour
USE: Nesting

Nets
RT: Netting materials
Ropes

Netsondes
USE: Net sounders

Netting materials
SN: Hand- or machine-made material for fishing nets
BT: Gear materials
RT: Nets
Synthetic fibres

Neurohumor
USE: Neurotransmitters

Neurons
USE: Neurons

Neurotransmitters
USE: Neurotransmitters

Neurotoxins
SN: Toxins which affect the nervous system. Before 1982 search POISONS (BIOLOGICAL)
BT: Biological poisons
RT: Botulism
Tetrodotoxin

Neurotransmitters
UF: Acetylcholine

Neurotoxins
UF: Neurotoxins
BT: Toxic substances
RT: Nervous system
Neurons
Neurophysiology
Synapses

Neuston
BT: Aquatic communities
RT: Plankton collecting devices
Neutrally buoyant floats
USE: Swallow floats

Neutron activation analysis
BT: Activation analysis

New classes
BT: New taxa

New distribution
USE: New records

New genera
BT: New taxa

New species
BT: New taxa

New taxa
BT: Taxa
NT: New classes
New families
New genera
New orders
New species
RT: Holotypes
Type localities
New varieties
BT: New taxa

Niches
UF: Ecological niches
RT: Aquatic communities
Behaviour
Biotopes
Ecosystems
Habitat

Nickel
BT: Heavy metals
Transition elements
RT: Ferromanganese nodules
Nickel compounds
Nickel isotopes

Nickel compounds
BT: Chemical compounds
RT: Nickel

Nickel isotopes
BT: Isotopes
RT: Nickel

Nicotinic acid
BT: Organic acids

Nighttime
RT: Daytime
Diurnal variations

Niobium
UF: Columbium
BT: Heavy metals
RT: Niobium isotopes

Niobium isotopes
BT: Isotopes
RT: Niobium

Niskin samplers
USE: Water samplers

Nitrate cycle
USE: Nitrogen cycle

Nitrites
BT: Nitrogen compounds
RT: Nitrites
Nitrogen cycle
Salts

Nitrogen
BT: Atmospheric gases
Nonmetals
NT: Organic nitrogen
RT: Carbon/nitrogen ratio
Nitrogen compounds
Nitrogen cycle
Nitrogen fixation
Nitrogen isotopes
Non-conservative properties

Nitrogen compounds
UF: Nitrogenous compounds
BT: Chemical compounds
NT: Ammonia
Nitrates
Nitrites
Nitrous oxide
RT: Amino acids
Chemical fertilizers
Cyanides
Nitrogen
Nitrogen cycle
Nitrogen fixation
Organic compounds
Organic nitrogen
Proteins
Urea

Nitrogen cycle
UF: Nitrate cycle
BT: Nutrient cycles
RT: Ammonia
Denitrification
Nitrates
Nitrification
Nitrites
Nitrogen
Nitrogen compounds
Nitrogen fixation

Nitrogen fixation
SN: The process by which certain bacteria are able to transform elemental nitrogen into ammonia
BT: Chemical reactions
RT: Ammonia
Biochemical phenomena
Nitrogen
Nitrogen compounds
Nitrogen cycle

Nitrogen isotopes
BT: Isotopes
RT: Nitrogen

Nitrogen narcosis
BT: Narcosis
RT: Decompression sickness
Underwater medicine

Nitrogenous compounds
USE: Nitrogen compounds

Nitrosamines
BT: Amines

Nitrous acid
USE: Nitric acids

Nitrous oxide
BT: Nitrogen compounds
Oxides

NMR techniques
USE: Nuclear magnetic resonance

Nobbling
USE: Gutting

Noble gases
USE: Rare gases

Nodal tides
BT: Tides
RT: Long-period tides
Tidal perturbation

Node construction
RT: Joints
Offshore structures
Tubing
Nodes
USE: Joints

Nodules
SN: Use only for chemical sediments found on seafloor
BT: Chemical sediments
NT: Ferromanganese nodules
Phosphorite nodules
RT: Cherts
Concretions
Mineral resources
Seabed deposits
Sedimentary structures

Noise (electronics)
USE: Electronic noise

Noise (radar echoes)
USE: Radar clutter

Noise (sound)
BT: Sound
NT: Ambient noise
Underwater noise
RT: Noise reduction
Vibration

Noise generators
USE: Sound generators

Noise reduction
UF: Noise suppression
BT: Damping
RT: Acoustic insulation
Noise (sound)
ASFA THESAURUS

Noise suppression
USE: Noise reduction

Nomenclature
USE: Terminology

Nomograms
USE: Conversion tables

Non penaeid shrimp fisheries
USE: Shrimp fisheries

Non-cohesive sediments
USE: Cohesionless sediments

Non-conservative properties
BT: Properties
RT: Conservative properties
Dissolved oxygen
Nitrogen
Phosphates
Silicates
Water masses

Nonconventional resources
USE: Unconventional resources

Nondestructive testing
UF: Acoustic emission testing
Flaw detection
Magnetic particle testing
Radiographic testing
Ultrasonic testing
BT: Materials testing
RT: Acoustic emission
Tomography

Nonferrous alloys
BT: Alloys

Nonlinear equations
BT: Equations
RT: Differential equations
Integral equations
Numerical analysis

Nonlinear wave interactions
BT: Wave interactions
RT: Nonlinear waves

Nonlinear waves
BT: Water waves
NT: Finite amplitude waves
Stokes waves
RT: Capillary waves
Internal waves
Linear waves
Nonlinear wave interactions
Shallow water waves
Surface gravity waves
Trapped waves

Nonlinearity
RT: Variability

Nonmetals
BT: Chemical elements
NT: Aluminium
Boron
Carbon
Germanium
Halogens
Hydrogen
Nitrogen
Oxygen
Phosphorus
Polonium
Scandium
Silicon
Sulphur

Non-Newtonian fluids
BT: Fluids
RT: Rheology

Nonrenewable resources
BT: Natural resources
RT: Fossil fuels
Mineral resources
Renewable resources
Seabed deposits

Non-target species
SN: Species for which the gear is not specifically set, although they may have immediate commercial value.
USE: By catch

Nontronite
BT: Clay minerals
Northern lobster fisheries
USE: Lobster fisheries

Noxious organisms
UF: Injurious organisms
Stinging organisms
BT: Aquatic organisms
NT: Poisonous organisms
RT: Parasites
Stinging organs
Venom apparatus

Nuclear division
USE: Cell division

Nuclear energy
UF: Atomic energy
BT: Energy
RT: Nuclear power plants
Radioactivity

Nuclear explosions
BT: Explosions
RT: Fission products
Radioactive contamination
Underwater explosions

Nuclear magnetic resonance
UF: NMR techniques
RT: Spectroscopic techniques

Nuclear membranes
USE: Cell membranes

Nuclear physics
UF: Atomic physics
BT: Physics
RT: Radioactivity
Radioisotopes

Nuclear power plants
SN: Before 1982 search POWER PLANTS
UF: Atomic power plants
BT: Power plants
RT: Nuclear energy
Radioactive contamination
Radioactive wastes

Nuclear propulsion
RT: Propulsion systems
Submarines
Underwater propulsion

Nuclear radiations
BT: Ionizing radiation
RT: Electromagnetic radiation
Fallout
Radioactive wastes
Radioactivity
Radiochemistry
Radiometric dating

Nuclear wastes
USE: Radioactive wastes

Nuclei
UF: Nucleus
BT: Cell constituents
RT: Genomes
Ice nuclei
Karyology
Meiosis
Mitosis
Protoplasts

Nucleic acids
BT: Organic acids
NT: DNA
RNA
RT: Genetics
Nucleotides
Protein denaturation
Proteins

Nucleotide sequence
RT: Nucleotides

Nucleotides
BT: Organic compounds
NT: ADP
AMP
ATP
RT: Nucleic acids
Nucleotide sequence
Organic acids
 Nutrient deficiency
USE: Nutrient depletion
BT: Dietary deficiencies
RT: Nutrient cycles
Nutrients (mineral)
Nutrition
Vitamin deficiencies
Nutrient depletion
USE: Nutrient deficiency
Nutrient salts
USE: Nutrients (mineral)
Nutrients (mineral)
SN: Inorganic and organic nutrients
in water
UF: Nutrient salts
RT: Biological production
Chemosynthesis
Energy budget
Eutrophication
Fertilizers
Hypertrophy
Limiting factors
Nitrates
Nutrient cycles
Nutrient deficiency
Nutrition
Phosphates
Silicates
Trace elements
Nutrition
SN: Use of a more specific term is
recommended
UF: Human nutrition
NT: Animal nutrition
Plant nutrition
RT: Feeding
Food
Food absorption
Metabolism
Nutrient deficiency
Nutrients (mineral)
Nutritional requirements
Nutritional types
Nutritive value
Physiology
Nutrition disorders
SN: Diseases caused by
deficiencies and imbalances of
major dietary components
UF: Nutritional diseases
BT: Diseases
RT: Anaemia
Animal diseases
Deficiency diseases
Dietary deficiencies
Diets
Human diseases
Husbandry diseases
Metabolic disorders
Nutritional requirements
Starvation
Vitamin deficiencies
Nutritional diseases
USE: Nutrition disorders
Nutritional requirements
USE: Food requirements
BT: Balanced diets
Balanced rations
Body conditions
Deficiency diseases
Dietary deficiencies
Diets
Ecological efficiency
Feeding experiments
Food consumption
Nutrition
Nutrition disorders
Nutritive value
Trophodynamic cycle
Nutritional types
NT: Autotrophy
Heterotrophy
RT: Nutrition
Nutritive value
RT: Balanced rations
Calories
Carbohydrates
Dietary deficiencies
Diets
Feed efficiency
Food
Food composition
Nutrition
Nutritional requirements
Proteins
Vitamins
Nyctimeral rhythms
BT: Biological rhythms
RT: Diurnal variations
Light effects
Moon phases
Phototaxis
Phototropism
Nymphs
BT: Insect larvae
RT: Emergence
Insect eggs
Oases
Obduction
RT: Continental crust
Plate tectonics
Plates
Subduction
Obituaries
RT: Documents
OBS
USE: Ocean bottom seismometers
Observation chambers
BT: Manned vehicles
NT: Bathyspheres
RT: Tethered vehicles

Observation platforms
USE: Instrument platforms

Obsidian
BT: Glass
RT: Volcanic glass

Occluded fronts
USE: Atmospheric fronts

Ocean basin floor
USE: Ocean floor

Ocean basins
SN: Use for studies on major ocean basins, their origin, evolution and present configuration. Use OCEAN FLOOR for basins with each ocean and for sedimentation studies
UF: Submarine basins
BT: Basins
RT: Abyssal plains
Bottom topography
Continental drift
Epeirogeny
Forearc basins
Ocean floor
Oceanic crust
Structural basins

Ocean beaches
USE: Beaches

Ocean bottom seismometers
UF: OBS
BT: Seismometers

Ocean bottom topography
USE: Bottom topography

Ocean circulation
UF: General circulation (oceans)
Oceanic circulation
BT: Water circulation
NT: Abyssal circulation
Equatorial circulation
Gyres
Meridional oceanic circulation
Oceanic eddies
Thermohaline circulation
RT: Atmospheric circulation
Bottom topography effects
Heat transport
Ocean currents
Ocean-atmosphere system
Surface circulation
Sverdrup transport
Wind-driven circulation

Ocean crust
USE: Oceanic crust

Ocean current energy conversion
USE: Current power

Ocean currents
SN: Search also WATER CURRENTS
BT: Water currents
RT: Bottom currents
Boundary currents
Countercurrents
Current rings
Dynamical oceanography
Ocean circulation
Palaeocurrents
Shelf currents
Subsurface currents
Surface currents
Undercurrents
Wind-driven currents

Ocean data routes
USE: Standard ocean sections

Ocean dumping
SN: The dumping of wastes at sea
UF: Dumping
BT: Waste disposal
RT: Marine pollution
Pollution convention

Ocean engineering
USE: Offshore engineering

Ocean environment
USE: Marine environment

Ocean floor
USE: Marine aquaculture

Ocean outfalls
USE: Outfalls

Ocean policy
SN: Search also MARINE POLICY
UF: Marine policy
BT: Policies
RT: Law of the sea
Ocean space
Seabed conventions

Ocean ranching
USE: Ranching

Ocean space
SN: In the legal aspect only
UF: Maritime space
NT: Contiguous zones
Exclusive economic zone
High seas
International waters
Territorial waters
RT: Extended jurisdiction
Ocean policy

Ocean stations
UF: Ocean weather stations
BT: Fixed stations
RT: Data buoys
Data reports
Weather ships

Ocean surface temperature
USE: Surface temperature

Ocean surveillance
USE: Surveillance and enforcement

Ocean thermal energy conversion
USE: OTEC

Ocean tides
BT: Tides

Ocean water
USE: Sea water

Ocean waves
USE: Surface water waves

Ocean weather ships
USE: Weather ships
Ocean weather stations
USE: Ocean stations
Oceanaria
USE: Aquaria
Ocean-atmosphere system
UF: Atmosphere-ocean system
RT: Air-sea coupling
Air-sea interaction
Air-water exchanges
Climate
Dynamical oceanography
Earth atmosphere
Hydrosphere
Ocean circulation
Ocean-atmosphere system
Teleconnections
Oceanic boundary layer
BT: Boundary layers
RT: Air-water interface
Surface Ekman layer
Surface mixed layer
Upper ocean
Oceanic circulation
USE: Ocean circulation
Oceanic convection
BT: Convection
Oceanic convergences
BT: Convergence zones
NT: Polar convergences
Subtropical convergences
RT: Advection
Downwelling
Oceanic divergences
Water masses
Oceanic crust
SN: Before 1983 search also SUBMARINE CRUST
UF: Crust (ocean)
Ocean crust
Submarine crust
Suboceanic crust
BT: Earth crust
RT: Continental crust
Crustal accretion
Marine geology
Ocean basins
Ocean floor
Oceanization
Sima
Subduction
Oceanic deserts
RT: Gyres
Oceanic divergences
BT: Divergence zones
RT: Oceanic convergences
Upwelling
Oceanic eddies
SN: Before 1982 search EDDIES (OCEANIC)
UF: Eddies (oceanic)
BT: Ocean circulation
NT: Current rings
Mesoscale eddies
Oceanic fronts
UF: Oceanographic fronts
BT: Fronts
NT: Benthic fronts
Density fronts
Estuarine front
Shelf fronts
RT: Frontal features
Subtropical convergences
Oceanic islands
BT: Islands
NT: Volcanic islands
Oceanic microstructure
USE: Microstructure
Oceanic province
UF: Oceanic region
BT: Pelagic environment
NT: Abyssopelagic zone
Bathypelagic zone
Epipelagic zone
Mesopelagic zone
RT: Neritic province
Oceanic region
USE: Oceanic province
Oceanic response
UF: Response (oceanic)
RT: Atmospheric forcing
Hurricanes
Response time
Oceanic ridges
USE: Submarine ridges
Oceanic trenches
SN: Before 1982 search TRENCHES
UF: Submarine trenches
Trenches (oceanic)
BT: Submarine features
RT: Benioff zone
Continental margins
Converging plate boundaries
Deep-sea furrows
Forearc basins
Island arcs
Plate convergence
Potential temperature
Subduction zones
Valleys
Oceanic turbulence
BT: Turbulence
RT: Dye dispersion
Microstructure
Water motion
Wave dissipation
Ocean-ice-atmosphere system
RT: Air-sea coupling
Ocean-atmosphere system
Sea ice
Oceanite
BT: Basalts
Oceanization
SN: Conversion of continental crust into oceanic crust
RT: Continental crust
Oceanic crust
Oceanodromous migrations
BT: Migrations
RT: Feeding migrations
Spawning migrations
Oceanographers
USE: Marine scientists
Oceanographic atlases
BT: Atlases
RT: Climatological charts
Geological maps
Hydrographic charts
Hydrographic sections
Oceanographic data
Oceanography
Oceanographic buoys
USE: Data buoys
Oceanographic cartography
USE: Cartography
Oceanographic charts
USE: Hydrographic charts
Oceanographic data
BT: Data
NT: Bathymetric data
Bathythermographic data
RT: Current data
Marsden squares
Oceanographic atlases
Oceanographic surveys
Salinity data
Standard ocean sections
Time series
Water temperature data
Wave data
Oceanographic equipment
UF: Oceanographic instruments
BT: Equipment
RT: Bathymeters
Cable depressors
Collecting devices
Data buoys
Deck equipment
Depth recorders
Free-fall instruments
GEK
Geophysical equipment
Laboratory equipment
Measuring devices
### Profilers
Remote sensing equipment
Sensors
Sound recorders
Sounding lines
Streamers
Thermistor chains
Undulators

### Oceanographic Fronts
**USE:** Oceanic fronts

### Oceanographic Institutions
**SN:** Before 1982 use
**OCEANOLOGICAL INSTITUTIONS**
**UF:** Oceanological institutions
**BT:** Research institutions
**RT:** Biological institutions
Fishery institutions
Oceanography

### Oceanographic Instruments
**USE:** Oceanographic equipment

### Oceanographic Satellites
**USE:** Scientific satellites

### Oceanographic Stations
**SN:** Use of a more specific term is recommended
**UF:** Stations (oceanographic)
**NT:** Cruise stations
Drifting stations
Fixed stations
Standard ocean sections
**RT:** Station keeping
Station lists

### Oceanographic Surveys
**SN:** Before 1983 search also
**ENVIRONMENTAL SURVEYS**
**BT:** Environmental surveys
**RT:** Geological surveys
Hydrography
Oceanographic data
Oceanography
Site surveys
Standard ocean sections

### Oceanographic Tables
**BT:** Tables
**NT:** Salinity tables
**RT:** Conversion tables
Meteorological tables
Navigational tables
Tide tables

### Oceanography
**SN:** Before 1982 search also
**OCEANOLOGY**
**UF:** Oceanology
**BT:** Earth sciences
Marine sciences
**NT:** Chemical oceanography
Coastal oceanography
Dynamical oceanography

### Fishery Oceanography
Military oceanography
Palaeoceanography
Physical oceanography
Polar oceanography
Radio oceanography
Tropical oceanography
**RT:** Marine ecology
Marine environment
Marine geology
Meteorology
Oceanographic atlases
Oceanographic institutions
Oceanographic surveys

### Oceanography
**USE:** Oceanographic institutions

### Oceanography (Biological)
**USE:** Marine ecology

### Oceans
**UF:** Seas
**BT:** Water bodies
**NT:** Marginal seas
**RT:** Upper ocean

### OCS
**USE:** Outer continental shelf

### Octopus Fisheries
**USE:** Cephalopod fisheries

### Odour
**USE:** Odour

### Odour Imprinting
**USE:** Imprinting

### Oesophagus
**UF:** Esophagus
**RT:** Digestive system

### Off Flavour
**RT:** Palatability
Taste

### Off-bottom Culture
**UF:** Hanging culture
Long-line culture
Pole culture
Rack culture
**BT:** Aquaculture techniques
**RT:** Raft culture
Seaweed culture
Shellfish culture

### Offshore
**RT:** Continental shelves

### Offshore Bars
**USE:** Nearshore bars

### Offshore Completion
**USE:** Well completion

### Offshore Docking
**BT:** Berthing
**RT:** Artificial harbours
Deep-water terminals
Tanker terminals

### Offshore Drilling
**USE:** Drilling

### Offshore Engineering
**SN:** Before 1982 search also
**MARINE ENGINEERING and OFFSHORE TECHNOLOGY**
**UF:** Ocean engineering
Offshore technology
Seabed engineering
Underwater engineering
**BT:** Engineering
**RT:** Geotechnology
Marine technology
Offshore structures
Petroleum engineering
Underwater exploitation
Underwater structures

### Offshore Equipment
**BT:** Equipment
**RT:** Offshore operations

### Offshore Operations
**NT:** Deep-sea drilling
Deep-sea mining
**RT:** Locations (working)
Mineral exploration
Offshore equipment
Oil and gas exploration
Tanker loading

### Offshore Platforms
**USE:** Offshore structures

### Offshore Protection
**USE:** Surveillance and enforcement

### Offshore Structures
**SN:** Before 1982 search **MARINE STRUCTURES**
**UF:** Marine structures
Offshore platforms
Platforms (offshore)
**BT:** Hydraulic structures
**NT:** Articulated columns
Artificial islands
Artificial reefs
Caissons
Fixed platforms
Floating structures  
Underwater structures  
RT: Accommodation  
Concrete structures  
Design wave  
Node construction  
Offshore engineering  
Perforated structures  
Steel structures  
Structural engineering  
Work platforms

Offshore technology  
USE: Offshore engineering

Offshore terminals  
BT: Tanker terminals  
RT: Berthing  
Loading buoys

Oil  
RT: Crude oil  
Hydrocarbons  
Natural gas  
Oil and gas exploration  
Oil and gas industry  
Oil and gas legislation  
Oil fields  
Oil pollution  
Oil production  
Petroleum

Oil and gas exploration  
UF: Exploratory drilling  
BT: Geophysical exploration  
Resource exploration  
RT: Concessions  
Drilling  
Leases  
Natural gas  
Offshore operations  
Oil  
Oil and gas fields  
Oil and gas industry  
Petroleum geology

Oil and gas fields  
NT: Gas condensate fields  
Gas fields  
Marginal fields  
Oil fields  
RT: Oil and gas exploration  
Oil and gas industry  
Oil and gas production  
Petroleum

Oil and gas industry  
SN: Before 1982 search OIL INDUSTRY  
UF: Gas industry  
Oil industry  
Petroleum industry  
BT: Industries  
RT: Gas terminals  
Natural gas  
Oil  
Oil and gas exploration

Oil and gas fields  
Oil and gas legislation  
Oil and gas production  
Oil refineries  
Oil wastes  
Petroleum  
Process plants

Oil and gas legislation  
BT: Legislation  
RT: Concessions  
Mining legislation  
Natural gas  
Oil  
Oil and gas industry

Oil and gas production  
SN: Pertains to petroleum production  
UF: Exploitation (oil and gas)  
Production (oil and gas)  
NT: Gas production  
Oil production  
RT: Gas oil separation  
Gas processing  
Oil and gas fields  
Oil and gas industry  
Oil recovery  
Oil treating  
Oil wells  
Production platforms  
Subsea production systems  
Well workover operations  
Oil barriers  
USE: Oil removal

Oil processing  
USE: Oil treating

Oil removal  
SN: Oil removal in aquatic environment by mechanical or chemical techniques. Before 1982 search also SKIMMERS and OIL SKIMMERS  
UF: Oil barriers  
Oil removers  
Oil skimmers  
Skimmers (oil removal)  
RT: Adsorption  
Dispersants  
Oil pollution  
Oil slicks  
Oil spills  
Solvents  
Water pollution treatment

Oil reserves  
UF: Oil potential  
RT: Energy resources  
Oil production  
Oil reservoirs
Oil reserves
UF: Reservoirs (oil)
RT: Cap rocks
Oil fields
Oil reserves
Petroleum geology

Oil rigs
USE: Drilling rigs

Oil sands
UF: Tar sands
BT: Sandstone
RT: Asphalt
Bitumens
Hydrocarbons
Oil shale
Petroleum residues
Subsurface deposits
Tar

Oil seals
USE: Seals (stoppers)

Oil seepages
BT: Seepages
RT: Oil pollution

Oil shale
BT: Shale
RT: Hydrocarbons
Kerogen
Oil sands
Petroleum residues
Subsurface deposits

Oil skimmers
USE: Oil removal

Oil slicks
SN: Layers of oily substances on water surface. Before 1982 search also SLICKS
UF: Slicks (oil)
BT: Slicks
RT: Containment
Oil pollution
Oil removal
Oil spills
Oil wastes
Surface films

Oil spills
SN: Spilling from tankers, pipelines and drilling operations
UF: Leaks (oil)
Oil leaks
BT: Accidents
RT: Containment
Dispersants
Fire hazards
Ice-oil interface
Oil pollution
Oil removal
Oil slicks
Oil wastes

Oil tankers
USE: Tanker ships

Oil tanks
BT: Tanks
RT: Underwater structures

Oil terminals
USE: Tanker terminals

Oil treating
SN: Pertains to field operations
UF: Crude oil treating
Oil processing
RT: Gas flaring
Oil and gas production
Separation processes

Oil wastes
BT: Wastes
RT: Industrial wastes
Oil and gas industry
Oil pollution
Oil slicks
Oil spills

Oil water separation
UF: Water oil separation
BT: Separation
RT: Adsorption
Water treatment
Oil well blowouts
USE: Blowouts

Oil wells
UF: Wells (oil and gas)
RT: Drilling
Oil and gas production
Petroleum
Underwater exploitation
Well completion

Oil-gas interface
UF: Gas-oil interface
BT: Interfaces
RT: Gases
Natural gas
Oil-water interface
Petroleum

Oil-ice interface
USE: Ice-oil interface

Oils (fish)
USE: Fish oils

Oil-water interface
UF: Water-oil interface
BT: Interfaces
RT: Oil in water content
Oil-gas interface
Petroleum

Oleic acid
BT: Organic acids

Olfaction
BT: Sense functions
RT: Alarm substances
Chemoreception
Odour
Olfactory organs

Olfactory organs
BT: Sense organs
RT: Chemical stimuli
Chemoreceptors
Chemotaxis
Olfaction

Olistoliths
USE: Sedimentary structures

Olistostromes
RT: Debris flow
Melanges
Sedimentary structures
Slump structures
Turbidity current structures

Olivine
BT: Silicate minerals

Omega
BT: Radio navigation
RT: Navigational tables

Omnivores
BT: Heterotrophic organisms
RT: Carnivores
Detritus feeders
Herbivores
Trophic levels

One-atmosphere systems
RT: Deep-sea diving
Diving bells
Diving suits
Life support systems
Onshore currents
USE: Nearshore currents

Ontogeny
BT: Biogeny
RT: Biological development
Developmental stages
Embryology
Life cycle
Morphogenesis
Organogenesis
Phylogeny
<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
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</thead>
<tbody>
<tr>
<td>Oocytes</td>
<td>BT: Eggs</td>
</tr>
<tr>
<td>Oogenesis</td>
<td>UF: Ovogenesis</td>
</tr>
<tr>
<td></td>
<td>BT: Gametogenesis</td>
</tr>
<tr>
<td></td>
<td>RT: Eggs, Ovaries, Ovulation, Sexual cells</td>
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<tr>
<td></td>
<td>VTelogenesis</td>
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<tr>
<td>Ooids</td>
<td>RT: Concretions, Oolites</td>
</tr>
<tr>
<td>Oolites</td>
<td>RT: Concretions, Limestone, Ooids</td>
</tr>
<tr>
<td></td>
<td>USE: Spores</td>
</tr>
<tr>
<td>Ooze (calcareous)</td>
<td>USE: Calcareous ooze</td>
</tr>
<tr>
<td>Ooze (siliceous)</td>
<td>USE: Siliceous ooze</td>
</tr>
<tr>
<td>Oozes</td>
<td>NT: Calcareous ooze, Siliceous ooze</td>
</tr>
<tr>
<td></td>
<td>RT: Biogenic deposits, Mud, Sapropels, Sediments, Shells</td>
</tr>
<tr>
<td>Opal</td>
<td>UF: Opaline, Silicate minerals</td>
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<tr>
<td></td>
<td>USE: Opal</td>
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<tr>
<td>Open access resources</td>
<td>USE: Common property resources</td>
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<tr>
<td>Open channel flow</td>
<td>USE: Channel flow</td>
</tr>
<tr>
<td>Open mines</td>
<td>USE: Pits</td>
</tr>
<tr>
<td>Open running water culture</td>
<td>USE: Open systems</td>
</tr>
<tr>
<td>Open sea aquaculture</td>
<td>USE: Marine aquaculture</td>
</tr>
<tr>
<td>Open systems</td>
<td>SN: An aquaculture water system in which water continuously flows through the culture area and is discharged after a single pass</td>
</tr>
<tr>
<td></td>
<td>UF: Open running water culture</td>
</tr>
<tr>
<td></td>
<td>BT: Aquaculture systems, Thermal aquaculture, Operating costs</td>
</tr>
<tr>
<td></td>
<td>USE: Operational costs</td>
</tr>
<tr>
<td></td>
<td>Optical costs</td>
</tr>
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<td></td>
<td>RT: Manufacturing costs, Operating costs, BT: Costs, RT: Taxes</td>
</tr>
<tr>
<td>Operations research</td>
<td>NT: Critical path method, Game theory, Mathematical programming, PERT</td>
</tr>
<tr>
<td></td>
<td>RT: Mathematical models, Planning, Probability theory, Simulation, Statistical models, Stochastic processes, System analysis</td>
</tr>
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<td></td>
<td>Optical classification, SN: Optical classification of water masses, BT: Classification, RT: Irradiance, Optical water types, Water masses</td>
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<td>Optical filters, BT: Filters, RT: Cameras, Light absorption, Light transmission, Optical instruments</td>
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<td>Optical instruments, RT: Light measuring instruments, Optical filters, Optics</td>
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<td>Optical masers, USE: Lasers</td>
</tr>
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<td></td>
<td>Optical microscopes, USE: Microscopes, Optical microscopy, USE: Light microscopy</td>
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<tr>
<td></td>
<td>Optical properties, BT: Physical properties, NT: Absorptance, Angular distribution, Attenuance, Colour</td>
</tr>
<tr>
<td></td>
<td>Extinction coefficient, Reflectance, Refractive index, Scattering coefficient, Spectral composition, Transmittance, Transparency, Volume scattering function</td>
</tr>
<tr>
<td></td>
<td>RT: Anisotropy, Emissivity, Irradiance, Light, Light effects, Light intensity, Optics, Polarization, Radiance, Surface properties</td>
</tr>
<tr>
<td>Optical water types</td>
<td>BT: Water types, RT: Irradiance, Optical classification, Transmittance</td>
</tr>
<tr>
<td></td>
<td>Options, BT: Physics, RT: Atmospheric optical phenomena, Fibre optics, Lasers, Light, Optical instruments, Optical properties, Photography, Visibility, Vision</td>
</tr>
<tr>
<td>Optical classification</td>
<td>SN: Optical classification of water masses, BT: Classification, RT: Irradiance, Optical water types, Water masses</td>
</tr>
<tr>
<td>Optical filters</td>
<td>BT: Filters, RT: Cameras, Light absorption, Light transmission, Optical instruments</td>
</tr>
<tr>
<td>Optical instruments</td>
<td>RT: Light measuring instruments, Optical filters, Optics</td>
</tr>
<tr>
<td></td>
<td>Optical masers, USE: Lasers</td>
</tr>
<tr>
<td></td>
<td>Optical microscopes, USE: Microscopes, Optical microscopy, USE: Light microscopy</td>
</tr>
<tr>
<td>Orbital velocity</td>
<td>UF: Particle velocity (waves), Wave particle velocity, BT: Velocity, RT: Particle motion, Water waves, Wave drift velocity, Wave velocity</td>
</tr>
<tr>
<td>Ordovician</td>
<td>SN: Before 1982 search, ORDOVICIAN SYSTEM, BT: Palaeozoic</td>
</tr>
<tr>
<td>Ore carriers</td>
<td>USE: Bulk carriers</td>
</tr>
<tr>
<td>Ores</td>
<td>BT: Mineral resources, RT: Mineral deposits, Subsurface deposits</td>
</tr>
<tr>
<td>Organ removal</td>
<td>BT: Removal, NT: Castration, Eyestalk extirpation, Hypophysectomy, RT: Body organs, Regeneration, Transplants</td>
</tr>
</tbody>
</table>
Organ transplants
USE: Transplants

Organelles
USE: Cell organelles

Organic acids
UF: Carboxylic acids
BT: Acids
Organic compounds
NT: Acrylic acid
Amino acids
Arachidonic acid
Carbonic acid
Fatty acids
Fulvic acids
Glycolic acid
Humic acids
Nicotinic acid
Nucleic acids
Oleic acid
RT: Alginates
Carboxylic acid salts
Inorganic acids
Lactate
Nucleotides

Organic carbon
BT: Carbon
Organic matter
NT: Dissolved organic carbon
Particulate organic carbon
Total organic carbon

Organic compounds
UF: Compounds (organic)
BT: Chemical compounds
NT: Alcohols
Aldehydes
Alkaloids
Amines
Azines
Carbohydrates
Esters
Histamines
Hydrocarbons
Ketones
Lipids
Nucleotides
Organic acids
Organometallic compounds
Proteins
Purines
Urea
RT: Aromatics
Boron compounds
Carbon compounds
Chelates
Chlorine compounds
Fluorine compounds
Halogen compounds
Nitrogen compounds
Organic constituents
Organometallic complexes
Phosphorus compounds

Organic constituents
SN: Any organic components of biological material
RT: Amino acids
Biochemical analysis
Biochemical composition
Carbohydrates
Fats
Organic compounds
Proteins
Organic detritus
USE: Detritus

Organic fertilizers
SN: Substances of natural origin used to fertilize soils or the aquatic environment
BT: Fertilizers
NT: Composts
Guanos
Manures
RT: Fish meal
Ureas

Organic matter
NT: Dissolved organic matter
Humus
Organic carbon
Organic sediments
Particulate organic matter
RT: Anoxic sediments
Kerogens

Organic nitrogen
BT: Nitrogen
NT: Dissolved organic nitrogen
Particulate organic nitrogen
RT: Nitrogen compounds

Organic phosphorus
BT: Phosphorus
NT: Dissolved organic phosphorus
Particulate organic phosphorus

Organic production
USE: Biological production

Organic sediments
UF: Carbonaceous deposits
BT: Biogenic deposits
Organic matter
NT: Peat
Sapropels
RT: Chemical sediments
Petroleum

Organic suspended matter
USE: Suspended organic matter

Organic wastes
UF: Animal wastes
BT: Wastes
NT: Fish wastes
RT: Domestic wastes
Sewage
Sludge

Organisations
USE: Organizations

Organism aggregations
SN: A grouping or crowding of separate organisms
UF: Aggregations (organisms)
RT: Aquatic communities
Aquatic organisms

Organism associations
USE: Ecological associations

Organism dating
USE: Age determination

Organism guiding
USE: Guiding devices

Organism morphology
SN: Before 1982 search MORPHOLOGY (ORGANISMS)
UF: External anatomy
Morphology (biology)
Morphology (organisms)
BT: Biology
NT: Animal morphology
Cell morphology
Plant morphology
RT: Anatomy
Biopolymorphism
Functional morphology
Morphogenesis
Phenotypes
Sexual dimorphism
Taxonomy
Tomography

Organisms (aquatic)
USE: Aquatic organisms

Organizations
USE: Associations
Organisations
Societies
NT: Companies
Education establishments
Financial institutions
Fishery organizations
Information centres
International organizations
Research institutions
Trade organizations
Water authorities
RT: Conferences
Institutional resources
Personnel

Organogenesis
SN: The formation and development of organs
UF: Organogenesis
RT: Body organs
Embryology
Morphogenesis
Ontogeny
Vitellogenesis
Organogeny
USE: Organogenesis

Organoleptic properties
BT: Properties
NT: Digestibility
Odour
Taste
RT: Water properties

Organometallic complexes
RT: Ligands
Metals
Organic compounds

Organometallic compounds
BT: Organic compounds
NT: Methyl mercury
RT: Mercury compounds

Organs (animal)
USE: Animal organs

Organs (body)
USE: Body organs

Organs (plant)
USE: Plant organs

Orientation
SN: For biological purposes use ORIENTATION BEHAVIOUR
NT: Core orientation
Grain orientation
RT: Animal navigation
Anisotropy
Isotropy
Orientation behaviour
Polarization
Vertical migrations

Orientation (biological)
USE: Orientation behaviour

Ornamentation

Ornithine
BT: Amino acids

Ornithologists
BT: Zoologists
RT: Ornithology

Ornithology
BT: Vertebrate zoology
RT: Aquatic birds
Ornithologists

Orogenesis
USE: Orogeny

Orology

Osmium isotopes
BT: Isotopes
RT: Osmium

Osmoregulation
RT: Amphihaline species
Euryhalinity
Ion accumulation
Ion transport
Ions
Osmosis
Osmotic adaptations
Osmotic pressure
Salinity tolerance

Osmosis
BT: Separation processes
NT: Reverse osmosis
RT: Adsorption
Dialysis
Diffusion
Mass transfer
Molecular diffusion
Osmoregulation
Osmotic adaptations
Osmotic pressure
Permeability

Osmotic adaptations
BT: Adaptations
RT: Amphihaline species
Euryhalinity
Osmoregulation
Osmosis
Osmotic pressure

Osmotic pressure
SN: Before 1982 search OSMOSIS
UF: Pressure (osmotic)
BT: Pressure
RT: Osmoregulation
Osmosis
Osmotic adaptations
Salinity power

Osteology
BT: Vertebrate zoology
RT: Anatomy
Bones
Skeleton

Osteonecrosis
USE: Bone necrosis

Ostreaculture
USE: Oyster culture

OTEC
UF: Ocean thermal energy conversion
Thalassothermal power
BT: Thermal power
RT: Artificial upwelling
OTEC plants

OTEC plants
BT: Power plants
RT: Heat exchangers
OTEC
Process plants
Otolith reading
BT: Age determination
RT: Otoliths

Otoliths
RT: Bones
Endoskeleton
Otolith reading
Skull

Otter boards
RT: Trawl nets
Trawling

Otter trawlers
USE: Trawlers
Otter trawls (bottom)
USE: Bottom trawls
Otter trawls (midwater)
USE: Midwater trawls

Outcrops
RT: Mineral deposits
Rocks

Outdoor recreation
USE: Recreation

Outer continental shelf
UF: OCS
BT: Continental shelves

Outer mantle
USE: Upper mantle

Outfalls
SN: Before 1986 search also
SEWAGE OUTFALLS
UF: Ocean outfalls
Sewage outfalls
BT: Hydraulic structures
RT: Buoyant jets
Effluents
Sewage
Water pollution

Outflow
SN: Component of water budget
NT: Overflow
River outflow
RT: Inflow
Outflow waters
Water budget
Water exchange

Outflow waters
BT: Water masses
RT: Core layer method
Outflow

Outreach
USE: Extension activities

Ova
USE: Eggs

Ovalbumin
USE: Albumins

Ovaries
BT: Gonads
RT: Fecundity
Oogenesis
Ovation
Sterility

Overcapacity
SN: In simple terms too many vessels, or the capability to harvest more than is sustainable in the long-run given a desired or optimal level of resources.
BT: Fishing capacity

Overcrowding
SN: Condition in which numerical densities of animals per unit area lead to disruptive and/or damaging physiological and behavioural effects
RT: Competition
Stocking density

Overexploitation
NT: Overfishing
RT: Fishing capacity
Rare resources

Overfishing
SN: Fishing more intensely than a desirable level
UF: Fishing overexploitation
BT: Commercial fishing
Overexploitation
RT: Depleted stocks
Fishing capacity
Fishing mortality
Species extinction
Yield

Overflow
BT: Outflow
RT: Boluses
Cascading

Overtopping
UF: Wave overtopping
RT: Breakwaters
Water waves

Overturn
UF: Convective overturn
Overturning
Turnover
BT: Vertical water movement
RT: Lake dynamics
Mixing processes
Renewal
Water mixing

Overturning
USE: Overturn

Overwash
SN: That portion of the uprush that carries over the crest of a berm or of a structure
RT: Water waves

Overwintering
UF: Overwintering sites
RT: Migrations
Migratory species
Overwintering techniques
Winter

Overwintering sites
USE: Overwintering

Overwintering techniques
SN: Aquaculture technique to reduce winter effects on ponds
BT: Aquaculture techniques
RT: Overwintering
Winter
Winterkill

Oviparity
UF: Oviparous
RT: Eggs
Ovoviviparity
Sexual reproduction
Viviparity

Oviparous
USE: Oviparity

Oviposition
RT: Eggs

Ovogenesis
USE: Oogenesis

Ovoviviparity
UF: Ovoviviparous
RT: Eggs
Oviparity
Sexual reproduction

Ovoviviparity
UF: Ovoviviparous
RT: Eggs
Oviparity
Sexual reproduction

Ovulation
RT: Eggs
Oogenesis
Ovaries
Sexual maturity
Sexual reproduction

Ownership
USE: Property rights

Oxbow lakes
BT: Lakes
RT: River meanders
Rivers

Oxic conditions
UF: Aerobic conditions
RT: Anoxic conditions
Oxic sediments
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**Oxic sediments**
- **UF:** Aerobic sediments
- **BT:** Sediments
- **RT:** Anoxic sediments
  - Oxic conditions

**Oxidation**
- **BT:** Chemical reactions
- **RT:** Antioxidants
  - Biogeochemical cycle
  - Corrosion
  - Cytochromes
  - Detoxification
  - Electrolysis
  - Oxygen demand
  - Oxygenation
  - Redox potential
  - Redox reactions

**Reduction lagoons**
- **USE:** Sewage ponds

**Reduction—oxidation potential**
- **USE:** Redox potential

**Reduction—oxidation reactions**
- **USE:** Redox reactions

**Oxide minerals**
- **BT:** Minerals
- **NT:** Bauxite
  - Birnessite
  - Boehmite
  - Brucite
  - Cassiterite
  - Chromite
  - Cristobalite
  - Gibbsite
  - Goethite
  - Haematite
  - Ilmenite
  - Magnetite
  - Pyrolusite
  - Rutile
  - Todorokite

**Oxides**
- **BT:** Oxygen compounds
- **NT:** Iron oxides
  - Manganese oxides
  - Nitrous oxide
  - Sulphur oxides

**Oxidoreductases**
- **SN:** Before 1982 search
  - ENZYMES
- **BT:** Enzymes
- **RT:** Redox potential
  - Redox reactions

**Oxygen**
- **BT:** Atmospheric gases
  - Nonmetals
- **NT:** Dissolved oxygen
- **RT:** Air
  - Anoxia
  - Anoxic sediments

**Deoxygenation**
- **Oxygen compounds**
- **Oxygen consumption**
- **Oxygen demand**
- **Oxygen depletion**
- **Oxygen isotopes**
- **Oxygen minimum layer**
- **Oxygen sections**
- **Oxygenation**

**Oxidation**
- **BT:** Chemical reactions
  - Electrolysis
  - Oxygen demand
  - Oxygenation
  - Ozone

**Oxidation compounds**
- **BT:** Chemical compounds
  - NT:** Oxides
  - **RT:** Oxygen

**Oxygen consumption**
- **SN:** Consumption of oxygen by aquatic organisms, including consumption rate and measuring methods
  - **RT:** Aerobic respiration
  - **Anoxic conditions**
  - **Conversion factors**
  - **Hypoxia**
  - **Metabolism**
  - **Oxygen**
  - **Oxygen depletion**
  - **Respirometers**
  - **Oxygen content**

**Oxygen content**
- **USE:** Dissolved oxygen

**Oxygen demand**
- **UF:** Total oxygen demand
- **NT:** Biochemical oxygen demand
  - Chemical oxygen demand
  - **RT:** Biological production
    - **Deoxygenation**
    - **Metabolism**
    - **Oxidation**
    - **Oxygen**
    - **Oxygenation**
    - **Photosynthesis**
    - **Respiration**

**Oxygen**
- **Deoxygenation**
- **Oxygen consumption**
- **Oxygen demand**
- **Dissolved oxygen***

**Oxygen depletion**
- **SN:** Depletion of dissolved oxygen by biological oxidation reduction process of organic matter or by mass development of phytoplankton
  - **BT:** Depletion
  - **NT:** Anoxia
  - **RT:** Anoxic basins
    - **Anoxic conditions**
    - **Anoxic sediments**
    - **Degradation**
    - **Deoxygenation**
    - **Hypoxia**
    - **Oxygen**
    - **Oxygen consumption**
    - **Redox potential**
    - **Winterkill**

**Oxygen isotope ratio**
- **RT:** Oxygen isotope stratigraphy
  - **Oxygen isotopes**

**Oxygen isotope stratigraphy**
- **BT:** Stratigraphy
  - **RT:** Oxygen isotope ratio
  - **Oxygen isotopes**

**Oxygen isotopes**
- **BT:** Isotopes
  - **RT:** Oxygen
    - **Oxygen isotope dating**

**Oxygen maximum layer**
- **BT:** Core layers (water)
- **RT:** Oxygen profiles

**Oxygen minimum layer**
- **BT:** Core layers (water)
  - **RT:** Dissolved oxygen
  - **Oxygen**
  - **Oxygen profiles**
  - **Oxygen sections**

**Oxygen poisoning**
- **USE:** Hypoxia

**Oxygen profiles**
- **SN:** Vertical distribution of dissolved oxygen in water bodies
  - **BT:** Vertical profiles

**Oxygen sections**
- **BT:** Hydrographic sections
  - **RT:** Oxygen
  - **Oxygen minimum layer**
  - **Oxygen profiles**
  - **Vertical distribution**

**Oxygenation**
- **RT:** Aeration
  - **Biochemical oxygen demand**
  - **Deoxygenation**
  - **Oxidation**
  - **Oxygen**
  - **Oxygen demand**
  - **Water treatment**

**Oysters**
- **USE:** Oyster reefs

**Oyster beds**
- **USE:** Oyster reefs

**Oyster culture**
- **UF:** Ostreaculture
  - **BT:** Mollusc culture
  - **NT:** Pearl culture
  - **RT:** Culch
    - **Oyster fisheries**
    - **Oyster reefs**
    - **Spat**
    - **Tray culture**

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194
Oyster fisheries
- BT: Mollusc fisheries
- NT: Pearl fisheries
- RT: Estuarine fisheries
  - Oyster culture
  - Oyster reefs

Oyster reefs
- UF: Oyster beds
- BT: Reefs
- RT: Oyster culture
  - Oyster fisheries

Ozonation
- SN: The sterilization of culture system water through the addition of ozone
- BT: Sterilization
- RT: Ozone

Ozone
- BT: Atmospheric gases
- RT: Earth atmosphere
  - Oxygen
  - Ozonation
  - Ultraviolet radiation

Pack ice
- UF: Ice floes
- BT: Floating ice
- RT: Ice barriers
  - Ice canopy
  - Ice drift
  - Ice fields

Packages
- USE: Containers

Packaging fishery products
- USE: Packing fishery products

Packaging materials
- USE: Packing materials

Packaging fishery products
- SN: Referring to methods, techniques and material for packing industrial fishery products
- UF: Packaging fishery products
- RT: Fishery industry
  - Fishery products
  - Packing materials
  - Processed fishery products

Packaging materials
- UF: Packaging materials
- BT: Materials
- RT: Packaging fishery products

Paddy fields
- USE: Rice fields

Paedomorphism
- USE: Neoteny

Paints
- BT: Coating materials
- RT: Antioxidants
  - Chemical pollutants
  - Primers

Pair seines
- USE: Boat seines

Pair trawlers
- USE: Trawlers

Pair trawling
- USE: Trawling

Pair trawls (bottom)
- USE: Bottom trawls

Pair trawls (midwater)
- USE: Midwater trawls

Palaeonomid fisheries
- USE: Shrimp fisheries

Palaeo studies
- UF: Paleo studies
- NT: Palaeoceanography
  - Palaeoclimatology
  - Palaeoecology
  - Palaeolimnology
  - Palaeontology
  - Palaeotopography

Palaeoclimatology
- BT: Climatology

Palaeoceanography
- SN: Before 1986 search also PALAEOCEANOGRAPHY
  - UF: Palaeoceanography
  - BT: Oceanography
  - Palaeo studies
  - RT: Fossil sea water
  - Palaeoenvironments
  - Palaeontology
  - Palaeosalinity
  - Palaeotemperature
  - Palaeotopography

Palaeogene
- UF: Lower tertiary
- NT: Eocene
  - Oligocene
  - Palaeocene

Palaeogeography
- SN: The study of the ancient geography of the Earth's surface.
- BT: Geography

Palaeolatitude
- BT: Latitude
- RT: Palaeomagnetism
  - Polar wandering

Palaeolimnology
- BT: Limnology
  - Palaco studies
  - RT: Palaeontology

Palaeomagnetism
- BT: Geophysics
  - Magnetism
  - RT: Continental drift
  - Geomagnetism
  - Magnetic anomalies
  - Magnetic reversals
  - Magnetic susceptibility
  - Palaeolatitude
  - Plate tectonics
  - Polar wandering
  - Pole positions
  - Remanent magnetization
  - Seafloor spreading
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Palaeontology
UF: Paleontology
BT: Palaeo studies
NT: Micropalaeontology
RT: Archaeology
Bifacies
Botany
Fossils
Geology
Palaeoceanography
Palaeoclimatology
Palaeoecology
Palaeoenvironments
Palaeolimnology
Palaeosalinity
Palynology
Sedimentology
Stratigraphy
Taxonomy
Trace fossils
Zoology

Palaeoceanography
USE: Palaeoceanography

Palaeosalinity
BT: Salinity
RT: Messinian
Palaeoceanography
Palaeoenvironments
Palaeontology

Palaeoshorelines
BT: Coastal landforms
RT: Palaeotopography
Sea level changes

Palaeotemperature
BT: Water temperature
RT: Climatic changes
Palaeoceanography
Palaeoenvironments

Palaeotopography
UF: Palaeobathymetry
BT: Bottom topography
Palaeo studies
RT: Palaeoceanography
Palaeoshorelines

Palaeozoic
SN: Before 1982 search
PALAEOZOIC ERA
BT: Geological time
NT: Cambrian
Carboniferous
Devonian
Ordovician
Permian
Silurian
RT: Phanerozoic

Palagonite
BT: Volcanic rocks
RT: Basalt-seawater interaction
Glass
Pillow lava

Palatability
RT: Off flavour
Taste
Taste tests
Palatability tests
USE: Taste tests
Paleo studies
USE: Palaeo studies
Palaeontology
USE: Palaeontology

Palladium
BT: Heavy metals
RT: Palladium isotopes

Palladium isotopes
BT: Isotopes
RT: Palladium

Paludism
USE: Malaria

Palygorskite
BT: Clay minerals

Palynology
UF: Pollen analysis
RT: Botany
Fossil pollen
Fossil spores
Geology
Palaeontology
Pollen
Spores
Taxonomy

Pancreas
BT: Digestive glands
RT: Insulin

Pandalid fisheries
USE: Shrimp fisheries

Paralytic shellfish poisoning
UF: Shellfish poisoning (paralytic)
BT: Human diseases
RT: Diarrhetic shellfish poisoning

Parameterization
RT: Parameters

Parameters
NT: Coriolis parameters
Rossby parameter
Wind wave parameters
RT: Parameterization
Properties

Parasite attachment
UF: Attachment (parasites)
Parasitic attachment
BT: Biological attachment
NT: Lamprey attachment
RT: Parasites
Parasitism

Parasite control
BT: Control
RT: Parasite resistance
Parasites
Parasitic diseases
Parasitism
Parasitology
Pest control
Protozoan diseases

Parasite resistance
UF: Resistance to parasites
BT: Biological resistance
RT: Parasite control
Parasites
Parasitism

Parasites
UF: Parasitofauna
NT: Ectoparasites
Endoparasites
RT: Biological vectors
Commensalism
Hosts
Noxious organisms
Parasite attachment
Parasite control
Parasite resistance
Parasitic diseases
Parasitism
Parasitology
Protozoan diseases
Symbiosis

Parasitic attachment
USE: Parasite attachment

Parasitic castration
SN: Failure of a host to reproduce due to partial or complete destruction of its gonads caused by parasitic activities
UF: Castration by parasites
BT: Castration
RT: Parasitic diseases

Parasitic diseases
UF: Parasitic infestation
BT: Infectious diseases
NT: Schistosomiasis
RT: Antihelminthic agents
Antiparasitic agents
Biological vectors
Boil disease
Fish diseases
Fungal diseases
Malaria
Parasite control
Parasites
Parasitic castration
Parasitism
Parasitology
Plant diseases
Protozoan diseases
Whirling disease

Parasitic infestation
USE: Parasitic diseases
Parasitism
  BT: Interspecific relationships
  NT: Ectoparasitism
  Endoparasitism
  RT: Host preferences
  Hosts
  Parasite attachment
  Parasite control
  Parasite resistance
  Parasites
  Parasitic diseases
  Parasitology
  Pathology
  Prophylaxis
  Protozoan diseases

Parasitofauna
  USE: Parasites

Parasitology
  BT: Ecology
  RT: Bacteriology
  Epidemiology
  Microbiology
  Mycology
  Parasite control
  Parasites
  Parasitic diseases
  Parasitism
  Protozoan diseases

Parasympathetic nervous system
  USE: Autonomic nervous system

Parathyroid
  USE: Thyroid

Parent stocks
  USE: Brood stocks

Parental behaviour
  SN: Before 1982 search
  REPRODUCTIVE BEHAVIOUR
  UF: Parental care
  BT: Behaviour
  RT: Reproductive behaviour

Parental care
  USE: Parental behaviour

Parks
  SN: Before 2008 search MARINE PARKS
  USE: Protected areas

Parrs
  USE: Juveniles

Parthenogenesis
  BT: Reproduction
  RT: Clones

Partial tides
  USE: Tidal constituents

Partially-mixed estuaries
  BT: Estuaries

Participation
  USE: Participatory approach

Participatory approach
  SN: A means to assist individuals and communities to analyze their situation, identify their priorities and decide which actions to undertake. As a result, they mobilize their resources and know-how to realize what they want and to achieve their objectives. As opposed to top-down development.
  UF: Participation
  BT: User participation

Particle concentration
  SN: Use only for suspended particulate matter
  RT: Gravimetric techniques
  Light scattering
  Particle scattering
  Suspended particulate matter
  Turbidity

Particle counters
  BT: Counters
  RT: Suspended particulate matter

Particle distribution
  RT: Kurtosis
  Particle scattering
  Turbidity

Particle motion
  UF: Grain motion
  Sediment particle motion
  Suspended particle motion
  Wave particle motion
  BT: Motion
  NT: Particle settling
  RT: Orbital velocity
  Particulate flux
  Resuspended sediments
  Saltation
  Sediment dynamics
  Sediment movement
  Sediment transport
  Settling rate
  Suspension
  Traction
  Wave drift velocity

Particle scattering
  SN: Scattering of light in water by suspended particles
  BT: Light scattering
  RT: Particle concentration
  Particle distribution
  Particle size
  Suspended particulate matter

Particle settling
  BT: Particle motion
  RT: Particulate flux
  Settling rate
  Stokes law
  Winnowing

Particle size
  BT: Size
  RT: Kurtosis
  Particle scattering
  Turbidity

Particle velocity (waves)
  USE: Orbital velocity

Particulate flux
  SN: Vertical flux of particulates in water column
  RT: Particle motion
  Particle settling
  Sediment traps
  Settling rate
  Suspended particulate matter

Particulate matter
  USE: Suspended particulate matter

Particulate matter (air)
  USE: Atmospheric particulates

Particulate organic carbon
  BT: Organic carbon
  Particulate organic matter

Particulate organic matter
  BT: Organic matter
  Particulates
  NT: Particulate organic carbon
  Particulate organic nitrogen
  Particulate organic phosphorus

Particulate organic nitrogen
  BT: Organic nitrogen
  Particulate organic matter

Particulate organic phosphorus
  BT: Organic phosphorus
  Particulate organic matter

Particulates
  NT: Atmospheric particulates
  Particulate organic matter
  Suspended particulate matter

Particulates (aquatic)
  USE: Suspended particulate matter

Particulates (atmospheric)
  USE: Atmospheric particulates

Parturition
  UF: Birth
  BT: Sexual reproduction
  RT: Foetus
  Pregnancy

Passenger ships
  UF: Ferries
  Liners (passengers)
  BT: Merchant ships
Passive margins
UF: Aseismic margins
Divergent margins
BT: Continental margins
RT: Plate divergence

Passive sonar
BT: Sonar
RT: Ambient noise
Sonobuoys

Patchiness

Patents
SN: Patent of new equipment and apparatus
RT: Documents

Pathogen resistance
USE: Disease resistance

Pathogenic bacteria
BT: Bacteria
Pathogens
RT: Bacterial diseases

Pathogenic species
USE: Pathogens

Pathogens
UF: Pathogenic species
NT: Pathogenic bacteria
RT: Bacterial diseases
Disease control
Diseases
Disinfection
Microbial contamination

Pathology
UF: Animal pathology
Fish pathology
NT: Histopathology
RT: Diseases
Epidemics
Parasitism
Physiology
Therapy
Toxicity

Pattern recognition
RT: Image enhancement

PCB
SN: Before 1982 search also POLYCHLORINATED BIPHENYLS
UF: Polychlorinated biphenyls
BT: Aromatic hydrocarbons
RT: Chemical pollutants
Insecticides
Toxicants

PCR
USE: Polymerase chain reaction

Pearl culture
BT: Oyster culture
RT: Pearl fisheries
Pearl oysters
Pearls

Pearl fisheries
BT: Oyster fisheries
RT: Fishing by diving
Pearl culture
Pearl oysters
Pearls

Pearl oysters
RT: Pearl culture
Pearl fisheries
Pearls

Pearls
SN: Including their formation by natural or artificial biosynthetic processes
BT: Animal products
RT: Biosynthesis
Pearl culture
Pearl fisheries
Pearl oysters

Peat
SN: Remains of bog and fen vegetation
BT: Organic sediments
RT: Humus
Sapropels

Pebbles
BT: Clastics
RT: Rudites
Shingle

Pecking order
SN: Social hierarchy occurring in many animals that live together in groups
BT: Dominance hierarchies
RT: Aggressive behaviour

Pecten fisheries
USE: Scallop fisheries

Peduncle disease
UF: Cold water diseases
BT: Fish diseases
RT: Bacterial diseases

Pelage
USE: Hair

Pelagic clay
UF: Red clay
BT: Clays
RT: Pelagic sediments

Pelagic deposits
USE: Pelagic sediments

Pelagic environment
UF: Pelagic regions
BT: Aquatic environment
NT: Neritic province
Oceanic province
RT: Abyssal zone
Bathyal zone
Bathypelagic zone
Lentic environment
Marine environment
Pelagic sedimentation

Pelagic fish
SN: Fish that spend most of their life swimming in the water column with little contact with or dependency on the bottom.
BT: Fish
RT: Pelagic fisheries

Pelagic fisheries
BT: Marine fisheries
RT: Finfish fisheries
Kril fisheries
Longlining
Pelagic fish
Trawlers
Tuna fisheries

Pelagic sediments
UF: Pelagic deposits
BT: Sediments
RT: Carbonate sediments
Chemical sediments
Pelagic clay
Pelagic sedimentation
Radiolarite
Siliceous sediments

Pellet feeds
UF: Pelleted foods
BT: Feed

Pen culture
USE: Cage culture

Penaeid shrimp fisheries
USE: Shrimp fisheries

Penetration depth
RT: Penetrometers
Sediment properties
Soil mechanics
Penetrometers
BT: Measuring devices
RT: Corers
Geological equipment
Penetration depth
Seafloor sampling
Sediment sampling

Peptide synthesis
USE: Protein synthesis

Peptides
BT: Proteins
NT: Polypeptides
RT: Amino acids

Peptization
USE: Defloculation

Peptones
SN: Before 1982 search PROTEINS
BT: Proteins

Percoid fisheries
SN: Exclude carangid fisheries
UF: Croaker fisheries
Grouper fisheries
Seabream fisheries
Snapper fisheries
BT: Finfish fisheries
RT: Carangid fisheries
Coastal fisheries
Reef fisheries

Percolation
BT: Fluid flow
RT: Ground water
Leaching
Porosity
Seepages
Voids

Perforated structures
BT: Structures
RT: Offshore structures

Performance assessment
BT: Evaluation
RT: Acceptability
Certification
Efficiency
Intercalibration
Intercomparison
Quality control
Reliability
Specifications
Testing

Peridotite
BT: Ultramafic rocks
RT: Kimberlites

Periodic variations
BT: Temporal variations
NT: Annual variations
Diurnal variations
Seasonal variations

Permeability
UF: Sediment permeability
BT: Physical properties
RT: Capillarity
Diffusion
Electrical resistivity
Grain size
Leaching
Osmosis
Porosity
Void ratio
Voids

Permeases
USE: Enzymes

Periodicity
UF: Frequency (time)
NT: Annual
Biennial
Daily
Hourly
Monthly
Seasonality
Weekly
RT: Frequency
Periodic variations

Peripheral nerves
USE: Nerves

Peripheral nervous system
UF: PNS
BT: Nervous system
NT: Nerves
RT: Sense organs

Periphyton
SN: Assemblage of organisms on submerged objects
BT: Aquatic communities
RT: Epiphytes

Peritoneum
USE: Abdomen

Permafrost
UF: Submarine permafrost
RT: Arctic zone
Cryosphere
Land ice

Permanence
RT: Fate
Persistence
Permanent plankton
USE: Holoplankton

Permanence
RT: Fate
Persistence
Permanent plankton
USE: Holoplankton

Permian
SN: Before 1982 search PERMIAN SYSTEM
BT: Palaeozoic

Permits
SN: Including statistics relating to fisheries licences and licence fees
BT: Licences
RT: Quota regulations
Season regulations

Persistence
NT: Pollutant persistence
RT: Fate
Permanence

Personal bibliographies
SN: Bibliographies of individual workers
BT: Bibliographies

Personnel
SN: Before 1982 search SCIENTIFIC PERSONNEL
UF: Employees
Staff (personnel)
Workers
NT: Consultants
Contractors
Crew
Experts
Scientific personnel
RT: Careers
Human resources
Labour
Management
Organizations

PERT
UF: Programme evaluation
Project evaluation
BT: Operations research
RT: Critical path method
Management
Numerical analysis

Perturbation method
BT: Numerical analysis
RT: Perturbations

Perturbations
NT: Tidal perturbation
RT: Oscillations
Perturbation method
Steady state

Pest control
BT: Control
RT: Biological control
Chemical control
Disease control
Infestation
Parasite control
Pesticides
Plant control
Repellents
Pesticides
SN: Different chlorinated hydrocarbon products
UF: Biocides
NT: Algifides
Antihelminthic agents
Antiparasitic agents
Bacteriocides
Fungicides
Herbicides
Ichthyocides
Insecticides
Mollusicides
RT: Chemical pollutants
Chlorinated hydrocarbons
DDT
Disinfectants
Hazardous materials
Infestation
Lethal limits
Pest control
Repellents
Toxicants

Petrogenesis
SN: Formation of rocks
RT: Petrology
Rocks

Petrography
USE: Petrology

Petroleum
UF: Mineral oils
BT: Fossil fuels
NT: Crude oil
Gas condensates
Petroleum residues
RT: Hydrocarbon analysis
Liquefied petroleum gas
Natural gas
Oil
Oil and gas fields
Oil and gas industry
Oil wells
Oil-gas interface
Oil-water interface
Organic sediments
Petroleum engineering
Petroleum geology
Petroleum hydrocarbons
Waxes

Petroleum engineering
BT: Engineering
RT: Chemical engineering
Offshore engineering
Petroleum

Petroleum geology
BT: Geology
RT: Mud volcanoes
Oil and gas exploration
Oil reservoirs
Petroleum

Petroleum hydrocarbon residues
USE: Petroleum residues

Petroleum hydrocarbons
BT: Hydrocarbons
NT: Asphalt
Bitumens
Kerogen
Tar
Volatile hydrocarbons
RT: Petroleum

Petroleum industry
USE: Oil and gas industry

Petroleum residues
UF: Petroleum hydrocarbon residues
BT: Petroleum
RT: Asphalt
Bitumens
Oil sands
Oil shale
Tar
Tar balls

Petrology
UF: Petrography
Sedimentary petrography
BT: Geology
RT: Geochemistry
Lithology
Petrogenesis
Rocks
Sediments

pH
UF: Hydrogen ion concentration
BT: Chemical properties
RT: Acidification
Acidity
Alkalinity
Buffers
Hydrogen
pH effects
pH sensors
Water properties

pH effects
BT: Environmental effects
RT: Acidity
Alkalinity
pH

pH sensors
BT: Sensors
RT: pH

Phagocytosis
BT: Defence mechanisms
RT: Amoebocytes
Cells
Endoparasites
Endoparasitism
Macrophages

Phenology
RT: Behaviour
Biological rhythms
Breeding
Climate
Climatology
Ecology
Migrations
Photorrhythm
Seasonal variations
Temporal variations

Phenols
BT: Aromatics
RT: Chemical pollutants
Industrial wastes
Toxicants

Phenomena (biological)
USE: Biological phenomena

Phanerozoic
SN: Before 1982 search
PHANEROZOIC EON
BT: Geological time
RT: Cenozoic
Mesozoic
Paleozoic

Pharmaceutical products
USE: Drugs

Pharmacodynamics
USE: Pharmacology

Pharmacology
UF: Pharmacodynamics
RT: Biochemistry
Drugs
Medicine
Microbiology
Therapy
Toxicology

Phase changes
UF: Changes of state
Phase transformations
NT: Condensation
Fluidization
Freezing
Melting
Solidification
Vaporization
RT: Heat transfer
Thermodynamics
Transition temperatures

Phase transformations
USE: Phase changes

Phase velocity
BT: Velocity
RT: Group velocity
Water waves
Wave dispersion
Wave velocity

Phenology
BT: Behaviour
Biological rhythms
Breeding
Climate
Climatology
Ecology
Migrations
Photoperiodicity
Seasonal variations
Temporal variations

Phenols
BT: Aromatics
RT: Chemical pollutants
Industrial wastes
Toxicants

Phenomena (biological)
USE: Biological phenomena

200
Phenotypes
RT: Ecophene
Environmental effects
Genotypes
Organism morphology
Phenotypic variations
Typology

Phenotypic variations
UF: Variations (phenotypic)
RT: Environmental effects
Phenotypes

Phenylalanine
BT: Amino acids

Pheromones
BT: Hormones

Phillipsite
BT: Zeolites

Phonoreceptors
USE: Auditory organs

Phosphatase
BT: Enzymes

Phosphate cycle
USE: Phosphorus cycle

Phosphate deposits
SN: Use only for deposits of economic value
BT: Chemical sediments
Subsurface deposits
RT: Authigenic minerals
Guano
Phosphate rocks
Phosphates
Phosphorite nodules

Phosphate minerals
BT: Minerals
NT: Apatite
Francolite
Monazite
RT: Phosphate rocks
Phosphates
Phosphorite nodules

Phosphate rocks
BT: Rocks
RT: Phosphate deposits
Phosphate minerals
Phosphates
Phosphorite
Sedimentary rocks

Phosphates
BT: Phosphorus compounds
NT: ADP
AMP
ATP
Calcium phosphates
Iron phosphates
Orthophosphate

RT: Non-conservative properties
Nutrients (mineral)
Phosphate deposits
Phosphate minerals
Phosphate rocks
Phosphatization
Phosphoric acid
Phosphorus cycle
Salts
Phosphatic concretions
USE: Phosphorite nodules

Phosphatization
RT: Phosphates

Phospholipids
USE: Complex lipids

Phosphorescence
UF: Phosphorescent wheels
BT: Luminescence
RT: Biological properties
Bioluminescence
Chemiluminescence
Fluorescence

Phosphorescent wheels
USE: Phosphorescence

Phosphoric acid
SN: Before 1982 search also INORGANIC ACIDS
BT: Inorganic acids
RT: Phosphates

Phosphorite
RT: Authigenic minerals
Phosphate rocks
Phosphorite nodules

Phosphorite concretions
USE: Phosphorite nodules

Phosphorus compounds
BT: Chemical compounds
NT: Phosphates
RT: Chemical fertilizers
Organic compounds
Phosphorus
Phosphorus cycle
RT: Cameras
Films
Holography
Optics
Photogrammetry
Photographic equipment
Photographs
Radiography

Photoionization
USE: Photochemical reactions

Photolysis
BT: Photochemical reactions
RT: Photochemistry

Photometers
UF: Hydrophotometers
BT: Light measuring instruments
NT: Spectrophotometers
RT: Nephelometers
Photometry
Radiometers

Photometry
BT: Light measurement
RT: Colorimetric techniques
Light intensity
Photometers
Quanta meters
Spectroscopic techniques

Photoperiod effects
USE: Light effects

Photoperiodicity
UF: Photoperiodism
RT: Biological rhythms
Breeding
Diapause
Diurnal variations
Ecology
Light
Light effects
Light stimuli
Migrations
Phenology
Photoperiods

Photoperiodism
USE: Photoperiodicity

Photoperiods
SN: Before 1982 search
PHOTOPERIODICITY
UF: Day length
Light duration
RT: Circadian rhythms
Diurnal variations
Ecophysiology
Light effects
Photoperiodicity

Photophores
UF: Luminescent organs
Luminous organs
Photogenic organs
BT: Animal organs
RT: Bioluminescence
Light organs
Luminous organisms

Photopolymerization
USE: Polymerization

Photoreception
BT: Sense functions
RT: Light stimuli
Vision

Photoreceptors
BT: Sense organs
NT: Eyes
RT: Light
Vision

Photoreduction
USE: Photochemical reactions

Photosynthesis
BT: Photochemical reactions
NT: Carbon fixation
RT: Biogeochromatic cycle
Biosynthesis
Carbon dioxide
Carotenoids
Chemical reactions
Chemosynthesis
Compensation depth
Leaves
Light stimuli
Oxygen demand
Photochemistry
Photosynthetic pigments
Photosystem I
Photosystem II
Phytoenomes
Phytoplankton
Plant metabolism
Plant nutrition
Plant physiology
Primary production
Solar radiation
Transpiration
Xanthophylls

Photosynthetic pigments
BT: Pigments
NT: Chlorophylls
Xanthophylls
RT: Carotenoids
Chloroplasts
Photosynthesis

Photosynthetic zone
USE: Euphotic zone

Photosystem I
RT: Photosynthesis
Photosystem II

Photosystem II
RT: Photosynthesis
Photosystem I

Phototaxis
BT: Taxis
RT: Light
Light effects
Light penetration
Light stimuli
Nyctemeral rhythms
Phototropism
Solar radiation
Vertical migrations

Phototropism
UF: Thermophototropism
BT: Tropism
RT: Circadian rhythms
Light
Light effects
Light penetration
Light stimuli
Nyctemeral rhythms
Phototaxis
Solar radiation
Vertical migrations

Phthaleate esters
UF: Phthalic acid esters
BT: Esters
RT: Chemical pollutants

Phthalic acid esters
USE: Phthalate esters

Phycologists
USE: Algologists

Phycology
USE: Algology

Phyllosome
BT: Crustacean larvae

Phylogenetics
SN: The study of evolutionary relationships
RT: Biological speciation
Evolution
Phylogeny
Taxonomy

Phylogeny
BT: Biogeny
RT: Biological speciation
Bioselection
Ontogeny
Phylogenetics
Taxonomy
Physical limnology
SN: Before 1982 search
LIMNOLOGY (PHYSICAL)
UF: Limnology (physical)
BT: Limnology
RT: Hydrodynamics
Lake dynamics
Physical oceanography
Physics
Thermal stratification
Water analysis
Water circulation
Water currents
Water properties
Water temperature
Water waves

Physical models
USE: Scale models

Physical oceanography
UF: Marine physics
BT: Oceanography
NT: Hydrography
RT: Hydrodynamics
Physical limnology
Physics
Thermal stratification
Water analysis
Water circulation
Water currents
Water properties
Water temperature
Water waves

Physical properties
BT: Properties
NT: Acoustic properties
Anisotropy
Buoyancy
Density
Electrical properties
Geothermal properties
Magnetic properties
Mass
Mechanical properties
Optical properties
Permeability
Porosity
Pressure
Specific gravity
Thermodynamic properties
Turbidity
Water hardness
Weight
RT: Chemical properties
Physicochemical properties
Sediment properties
Surface properties
Water properties
Wave properties

Physicochemical properties
BT: Properties
RT: Biological properties
Chemical properties
Physical properties
Water properties

Physics
NT: Acoustics
Atmospheric physics
Biophysics
Mechanics
Nuclear physics
Optics
Thermodynamics
RT: Physical limnology
Physical oceanography
Physiochemistry
USE: Biochemistry
Physiographic features
USE: Topographic features

Physiographic provinces
RT: Bottom topography
Landforms
Topographic features

Physiology
USE: Geomorphology
Physiological adaptations
USE: Acclimatization
Physiological calcification
USE: Calcification

Physiological ecology
USE: Ecophysiology

Physiology (animal)
USE: Animal physiology

Physiology (aquatic mammals)
USE: Mammalian physiology

Physiology (fish)
USE: Fish physiology

Physiology (plants)
USE: Plant physiology

Phytobenthos
UF: Benthic algae
Benthic flora
BT: Benthos
RT: Algology
Aquatic plants
Photosynthesis
Primary production

Phytogeography
USE: Biogeography

Phytohormones
SN: Before 1982 search
HORMONES
UF: Cytokinins
Gibberellins
Plant hormones
BT: Hormones
RT: Aquatic plants
Auxins
Plant physiology

Phytology
USE: Botany

Phytophagous fishes
USE: Herbivorous fish

Phytoplankton
UF: Planktonic algae
BT: Plankton
RT: Algal blooms
Algology
Aquatic plants
Botany
Food organisms
Photosynthesis
Phytoplankton culture
Primary production
Red tides

Phytoplankton culture
UF: Diatom culture
Single cell culture
BT: Algal culture
RT: Cell culture
Continuous culture
Cultured organisms
Mass culture
Phytoplankton
Plant culture

Phytosociology
UF: Plant sociology
BT: Ecology
RT: Aquatic plants
Biogeography
Botany

Picosplankton
BT: Plankton

Piers
BT: Coastal structures
Piezoelectric transducers
BT: Transducers
RT: Acoustic transducers
Hydrophones

Pig-fish culture
USE: Agropisciculture

Pigging
RT: Cleaning
Pipeline pigs

Pigments
BT: Glycosides
NT: Chromatic pigments
Photosynthetic pigments
Respiratory pigments
Visual pigments
RT: Discolouration
Dyes
Porphyrins

Pigs (pipeline)
USE: Pipeline pigs

Pilchard fisheries
USE: Clupeoid fisheries

Pile driving
RT: Bearing capacity
Piles

Piled platforms
UF: Jackets
BT: Fixed platforms
RT: Guyed towers

Piles
SN: Before 1986 search also PILES (FOUNDATIONS) and PILING
UF: Piles (foundations)
Piling
BT: Foundations
RT: Pile driving

Pipes
USE: Flowlines
RT: Gas terminals
Pipe buckling
Pipe laying
Pipeline construction
Pipeline crossing
Pipeline protection
Pump stations
Trenches (pipelines)

Pigtight
USE: Piston corers

Piloting
RT: Building capacity

Pilots
USE: Pilot charts

Piles
USE: Piles

Pillow lava
BT: Lava
RT: Palagonite
Pillow structures

Pillow structures
BT: Sedimentary structures
RT: Pillow lava

Pilot charts
USE: Navigational charts

Pilot-scale culture
USE: Experimental culture

Pineal gland
USE: Pineal organ

Pineal organ
UF: Pineal gland
BT: Brain
RT: Neurosecretion
Neurosecretory system

Pingers
UF: Acoustic pingers
BT: Sound generators
RT: Electroacoustic devices
Swallow floats

Pipe buckling
UF: Buckling (pipe)
RT: Deformation
Pipelines
Pipes

Pipe laying
SN: Pipeline construction from barges
BT: Pipeline construction
RT: Pipelines
Pipes

Pipe stringers
UF: Stringers
RT: Pipelaying barges

Pipelaying barges
BT: Barges
RT: Pipe stringers

Pipeline construction
BT: Construction
NT: Bottom tow
Pipe laying
RT: Anchoring
Burying
Connecting
Pipeline crossing
Pipelines
Trenching
Welding

Pipeline crossing
RT: Pipeline construction
Pipelines

Pipeline pigs
UF: Pigs (pipeline)
RT: Pigging

Pipeline protection
BT: Erosion control
RT: Burying
Pipelines
Scour protection

Pipeline pumping stations
USE: Pump stations

Pipelines
UF: Submarine pipelines
BT: Underwater structures

NT: Flowlines
Gathering lines
RT: Gas terminals
Pipe buckling
Pipe laying
Pipeline construction
Pipeline crossing
Pipeline protection
Pump stations
Trenches (pipelines)

Pipes
SN: Before 1986 search also PIPE
UF: Line pipe
NT: Riser pipes
RT: Hoses
Pipe buckling
Pipe laying
Tubing

Piscicides
USE: Ichthyocides

Pisciculture
USE: Fish culture

Piscine erythrocyte necrosis
USE: Necroses

Piston corers
SN: Before 1986 use also PISTON SAMPLERS
UF: Piston samplers
BT: Corers

Pitch (mineral)
USE: Bitumens

Pitch response
BT: Dynamic response
RT: Buoy motion effects
Pitching

Pitching
BT: Ship motion
RT: Buoy motion effects
Pitch response

Pits
UF: Gravel pits
Open mines
Quarries
Sand pits
RT: Strip mine lakes

Pituitary gland
USE: Hypophysis
BT: Endocrine glands
RT: Hypophysectomy
Placenta
RT: Foetus
Pregnancy

Placer deposits
USE: Placers

Placer mining
BT: Mining
RT: Mineral deposits
Mineral exploration
Placers

Placers
UF: Placer deposits
BT: Seabed deposits
NT: Diamonds
RT: Arenites
Barite
Cassiterite
Chromite
Garnet
Gold
Ilmenite
Magnetite
Monazite
Placer mining
Platinum
Rutile
Zircon

Plagioclase
BT: Feldspars

Plaice fisheries
USE: Flatfish fisheries

Plains
BT: Landforms
RT: Abyssal plains
Flood plains

Planation surfaces
USE: Erosion surfaces

Planetary atmospheres
UF: Atmosphere (planetary)
NT: Earth atmosphere
RT: Atmosphere evolution

Planetary boundary layer
USE: Atmospheric boundary layer

Planetary vorticity
BT: Vorticity
RT: Coriolis parameters
Westward intensification

Planetary waves
UF: Quasi-geostrophic waves
Rossby waves
Topographic planetary waves
Waves (planetary)
RT: Atmospheric motion
Equatorial dynamics
Fluid motion
Jet stream
Rossby parameter
Water motion
Water waves

Planetary winds
UF: Zonal wind systems
BT: Winds
NT: Monsoons
Trade winds
Westerlies

Planktvores
USE: Plankton feeders

Plankton
BT: Aquatic communities
NT: Cryoplankton
Nannoplankton
Phytoplankton
Picoplankton
Zooplankton
RT: Luminous organisms
Plankton collecting devices
Plankton equivalents
Plankton feeders
Plankton surveys
Planktonology
Seston

Plankton blooms
USE: Algal blooms

Plankton collecting devices
UF: Plankton nets
BT: Collecting devices
RT: Fishing nets
Neuston
Plankton
Plankton surveys

Plankton entrainment
USE: Entrainment

Plankton equivalents
BT: Population factors
RT: Biological production
Biomass
Plankton

Plankton feeders
UF: Planktvores
BT: Heterotrophic organisms
RT: Carnivores
Filter feeders
Plankton

Plankton nets
USE: Plankton collecting devices

Plankton studies
USE: Planktonology

Plankton surveys
BT: Biological surveys
NT: Ichthyoplankton surveys
RT: Plankton

Planning
UF: Programming
NT: Community planning
Long-term planning
National planning
Regional planning
Short-term planning
RT: Management
Methodology
Operations research
Procedures
Programmes

Planning (national)
USE: National planning

Plant (equipment)
USE: Equipment

Plant control
SN: Chemical, biological and mechanical control of aquatic weeds and injurious algae
UF: Aquatic weed control
Vegetation control
Weed cutting
BT: Control
RT: Biological control
Chemical control
Herbicides
Herbivorous fish
Pest control
Plant diseases
Plant utilization
Vegetation cover
Weeds

Plant culture
SN: Applies only to culture of aquatic macrophytes
UF: Aquatic plant culture
BT: Cultures
NT: Seaweed culture
RT: Agroplisciculture
Aquatic plants
Botany
Phytoplankton culture

Plant diseases
BT: Diseases
RT: Parasitic diseases
Plant control
Plant physiology
Plant fossils
USE: Vegetal fossils

Plant growth
BT: Growth
RT: Growth rings
Vegetation cover

Plant hormones
USE: Phytohormones

Plant metabolism
SN: Before 1982 search
METABOLISM
BT: Metabolism
RT: Photosynthesis
Plant physiology

Plant morphology
SN: Before 1982 search
MORPHOLOGY (ORGANISMS)
UF: Morphology (plant)
BT: Organism morphology
RT: Plant organs
Plant physiology

Plant nutrition
BT: Nutrition
RT: Autotrophy
Photosynthesis
Plant physiology

Plant organs
UF: Organs (plant)
BT: Body organs
NT: Holdfasts
Leaves
Plant reproductive structures
Rhizomes
Roots
Shoots
Stems
Thallus
RT: Buds
Plant morphology
Plant physiology
Tissues

Plant physiology
SN: Before 1982 search
PHYSIOLOGY
UF: Physiology (plants)
BT: Physiology
RT: Aestivation
Algodology
Auxins
Botany
Photosynthesis
Phytohormones
Plant diseases
Plant metabolism
Plant morphology
Plant nutrition
Plant organs
Stomata

Plant populations
UF: Populations (plants)
BT: Natural populations

Plant reproductive structures
UF: Reproductive structures (plant)
BT: Plant organs
NT: Turions
RT: Asexual reproduction
Pollen
Pollination
Rhizomes
Vegetative reproduction

Plant resources
USE: Botanical resources

Plant sociology
USE: Phytosociology

Plant utilization
UF: Aquatic plant utilization
Aquatic weed utilization
Water weed utilization
BT: Utilization
RT: Aquatic plants
Plant control
Shading
Plants
USE: Flora
Plants (aquatic)
USE: Aquatic plants
Plasma (blood)
USE: Blood
Plasma membranes
USE: Cell membranes
Plasmalemma
USE: Cell membranes

Plasmids

Plastic coatings
BT: Coating materials
RT: Epoxy resins
Plastics

Plastic debris
BT: Solid impurities
RT: Litter
Plastics

Plastic flow
RT: Deformation
Plasticity
Rheology

Plastic materials
USE: Plastics

Plasticity
RT: Compressibility
Deformation

Plastics
UF: Plastic materials
BT: Materials
NT: Acrylics
Glass-reinforced plastics
RT: Plastic coatings
Plastic debris
Synthetic fibres

Plastics
RT: Cytoplasm

Plate boundaries
NT: Converging plate boundaries
Diverging plate boundaries
Transform plate boundaries
RT: Active margins
Boundaries
Plate margins
Plate tectonics
Plates
Submarine volcanoes
Triple junctions
Volcanism

Plate convergence
BT: Convergence
RT: Active margins
Converging plate boundaries
Island arcs
Oceanic trenches
Plate divergence
Plate motion
Plate tectonics
Subduction zones

Plate divergence
BT: Divergence
RT: Crustal accretion
Diverging plate boundaries
Mantle plumes
Median valleys
Mid-ocean ridges
Passive margins
Plate convergence
Plate motion
Rift zones
Rifting
Spreading centres

Plate margins
UF: Margins (plate)
RT: Active margins
Plate boundaries
Plates

Plate motion
RT: Plate convergence
Plate divergence
Plate tectonics
Plates
Rotation
Poisons (biological)  
USE: Biological poisons

Poisson's equation  
BT: Equations  
RT: Harmonic functions  
Laplace equation

Poisson's ratio  
BT: Ratios  
RT: Compressive strength  
Elastic constants  
Elasticity  
Flexibility  
Strain  
Tensile strength

Polar air masses  
BT: Air masses  
RT: Antarctic front  
Polar meteorology

Polar convergences  
BT: Oceanic convergences  
NT: Antarctic convergence

Polar environment  
USE: Polar zones

Polar exploration  
BT: Exploration  
RT: Geographical exploration  
Navigation in ice  
Navigation under ice  
Polar zones

Polar front jet stream  
USE: Jet stream

Polar fronts  
SN: Use only for semi-permanent front separating air masses of tropical and polar origin  
UF: Atmospheric polar fronts  
BT: Atmospheric convergences  
Fronts  
NT: Antarctic front  
RT: Cyclones

Polar meteorology  
BT: Meteorology  
RT: Antarctic front  
Polar air masses  
Polar oceanography  
Polar zones

Polar migration  
USE: Polar wandering

Polar motion  
USE: Polar wandering

Polar navigation  
USE: Navigation in ice

Polar oceanography  
BT: Oceanography

Polar wandering  
UF: Polar migration  
Polar motion  
RT: Continental drift  
Earth rotation  
Palaecolatitude  
Palaeomagnetism  
Plate tectonics  
Pole positions  
Rotation

Polar waters  
UF: Antarctic waters  
Arctic waters  
RT: Polar oceanography  
Polar zones

Polar zones  
UF: Polar environment  
BT: Climatic zones  
NT: Antarctic zone  
Arctic zone  
RT: Polar exploration  
Polar meteorology  
Polar oceanography  
Polar waters

Polarisation  
USE: Polarization

Polarization  
UF: Polarisation  
Polarizing  
RT: Electrolysis  
Electromagnetic radiation  
Light scattering  
Optical properties  
Orientation  
Radiative transfer

Polarograph  
BT: Analytical techniques  
RT: Electroanalysis  
Electrolysis  
Redox reactions  
Voltammetry

Pollarders  
RT: Embankments  
Land reclamation  
Sea level

Pole culture  
USE: Off-bottom culture

Pole positions  
RT: Geomagnetic field  
Magnetic reversals  
Palaeomagnetism  
Polar wandering

Pole tides  
BT: Tides  
RT: Chandler wobble  
Long-period tides  
Tidal constituents

Pole-line fishing  
BT: Line fishing  
RT: Angling

Poleward heat flux  
USE: Heat transport

Politics  
SN: Use of a more specific term is recommended  
UF: Government policy  
Policy (government)  
NT: Fishery policy  
International policy  
Navigation policy  
Ocean policy  
Water policy  
RT: Governments  
Legislation  
Political aspects

Policy (government)  
USE: Policies

Policy (international)  
USE: International policy

Political aspects  
UF: Political constraints  
RT: Governments  
Legals aspects  
Policies

Political constraints  
USE: Political aspects

Pollack fisheries  
USE: Gadoid fisheries

Pollens  
RT: Atmospheric particulates  
Fossil pollen  
Palynology  
Plant reproductive structures  
Pollination

Pollen analysis  
USE: Palynology

Pollination  
UF: Cross pollination  
Self pollination  
RT: Plant reproductive structures  
Pollen  
Sexual reproduction

Pollutant detection  
USE: Pollution detection
Pollutant identification
  BT: Identification
  RT: Pollutants
  Toxicity tests
  Water analysis

Pollutant persistence
  BT: Persistence
  RT: Pollutants
  Pollution data
  Pollution effects

Pollutants
  SN: Harmful substances of chemical, physical or biological origin
  UF: Polluting substances
  NT: Biological pollutants
  Chemical pollutants
  Radioactive pollutants
  Solid impurities
  RT: Body burden
  Flushing time
  Lethal limits
  Mortality causes
  Pollutant identification
  Pollutant persistence
  Pollution
  Toxicology
  Wastes

Polluting substances
  USE: Pollutants

Pollution
  SN: Use of a more specific term is recommended
  UF: Contamination
  Environmental contamination
  Environmental pollution
  NT: Agricultural pollution
  Air pollution
  Chemical pollution
  Microbial contamination
  Oil pollution
  Radioactive contamination
  Sediment pollution
  Thermal pollution
  Water pollution
  RT: Ecological crisis
  Pollutants
  Pollution control
  Pollution convention
  Pollution data
  Pollution effects
  Pollution indicators
  Pollution legislation
  Pollution monitoring
  Pollution maps
  Pollution surveys
  USE: Pollution control

Pollution control
  SN: Control of pollution in aquatic environment only
  UF: Pollution abatement
  Pollution prevention
  Water pollution control
  BT: Control
  NT: Containment
  RT: Environmental protection
  Pollution
  Pollution convention
  Pollution legislation
  Water pollution treatment
  Water quality control
  USE: Pollution legislation

Pollution convention
  UF: Pollution treaties
  BT: International agreements
  RT: Ocean dumping
  Pollution
  Pollution control
  Pollution legislation
  Pollution monitoring

Pollution data
  BT: Data
  RT: Pollutant persistence
  Pollution
  Pollution dispersion
  Pollution monitoring
  Pollution surveys

Pollution detection
  UF: Pollutant detection
  BT: Detection
  RT: Chemical analysis
  Pollution
  Pollution legislation
  Pollution surveys
  Sediment analysis
  Water analysis

Pollution dispersion
  RT: Pollution data
  Pollution monitoring
  Pollution surveys

Pollution effects
  SN: Pollution effects on aquatic environment, organisms, fisheries and human health
  UF: Water pollution effects
  RT: Anoxic conditions
  Anthropogenic factors
  Bioaccumulation
  Carcinogenesis
  Environmental degradation
  Environmental impact
  Eutrophication
  Lethal effects
  Man-induced effects
  Mortality causes
  Pollutant persistence
  Pollution
  USE: Self purification

Pollution indicators
  BT: Indicators
  RT: Pollution monitoring

Pollution legislation
  UF: Pollution control legislation
  Pollution regulations
  BT: Environmental legislation
  RT: Pollution
  Pollution control
  Pollution convention
  Pollution detection
  Pollution monitoring

Pollution maps
  SN: Before 1982 search POLLUTION CHARTS
  Distributional charts of pollutants or polluted areas in aquatic environment
  UF: Pollution charts
  BT: Maps
  RT: Pollution
  Pollution monitoring
  Pollution surveys

Pollution monitoring
  UF: Pollution measurements
  Pollution surveillance
  BT: Environmental monitoring
  RT: Pollution
  Pollution convention
  Pollution data
  Pollution dispersion
  Pollution effects
  Pollution indicators
  Pollution legislation
  Pollution maps
  Pollution surveys

Pollution prevention
  USE: Pollution control

Pollution regulations
  USE: Pollution legislation

Pollution self-control
  USE: Self purification

Pollution surveillance
  USE: Pollution monitoring

Pollution surveys
  SN: Surveys of polluted areas of aquatic environment
  BT: Environmental surveys
  RT: Pollution
  Pollution data
  Pollution detection
Pollution dispersion
Pollution effects
Pollution maps
Pollution monitoring

Pollution tolerance
BT: Tolerance
RT: Bioaccumulation
Pollution
Pollution effects
Sublethal effects

Pollution treaties
USE: Pollution convention

Polonium
BT: Nonmetals
RT: Polonium isotopes

Polonium isotopes
BT: Isotopes
RT: Polonium

Polychlorinated biphenyls
USE: PCB

Polychlorinated dibenzodioxins
USE: Dioxins

Polychlorinated dibenzofurans
USE: Furans

Polychloropinene
USE: Icthyocides

Polyculture
UF: Composite cultures
Mixed species culture
BT: Aquaculture techniques
RT: Crab culture
Fish culture
Frog culture
Intensive culture
Monoculture
Pond culture
Prawn culture
Shrimp culture

Polycyclic hydrocarbons
USE: Aromatic hydrocarbons

Polyhalite
BT: Sulphate minerals
RT: Gypsum

Polymerase chain reaction
UF: PCR

Polymerization
UF: Copolymerization
Photopolymerization
BT: Chemical reactions
RT: Depolymerization
DNA
Polymers
RNA

Polymers
RT: Chemical compounds
Polymerization

Polymetallic nodules
USE: Ferromanganese nodules

Polymetallic sulphide deposits
USE: Sulphide deposits

Polymorphism (biological)
USE: Biopolymorphism

Polynyas
UF: Ice clearings
RT: Floating ice
Ice canopy
Leads

Polypeptides
BT: Peptides

Polyploids
RT: Chromosomes
Genetics

Polyps
SN: Cylindrical sedentary body form in Hydrozoa and Anthozoa
RT: Budding
Buds
Coral reefs
Tentacles

Polysaccharides
BT: Saccharides
NT: Agarose
Alginic acid
Cellulose
Mucopolysaccharides
Starch
RT: Agar

Polynsaturated fatty acids
BT: Fatty acids
NT: Linoleic acid
RT: Polyunsaturated hydrocarbons

Polyunsaturated hydrocarbons
BT: Unsaturated hydrocarbons
NT: Squalene
Terpenes
RT: Polyunsaturated fatty acids

Pond construction
SN: Referring to design and hydrotechnical characteristics of pond construction mainly for aquaculture
RT: Dams
Hydraulic engineering
Ponds

Pond culture
UF: Fish pond culture
Static water culture
BT: Aquaculture techniques
RT: Agropsiciculture
Crab culture
Crayfish culture
Crustacean culture
Extensive culture
Fish culture
Fish ponds
Frog culture
Pond culture
Prawn culture
Shrimp culture
Thermal aquaculture
Valliculture

Pond weeds
USE: Freshwater weeds

Ponderal index
USE: Condition factor

Ponds
UF: Pools
BT: Inland waters
NT: Cooling ponds
Fish ponds
Sewage ponds
Temporary ponds
RT: Dams
Lentic environment
Limnology
Pond construction
Water reservoirs
Water resources

Pontoon
BT: Floating structures
RT: Barges
Bridges

Pools
USE: Ponds

Popeye
USE: Exophthalmia

Population abundance (in number)
USE: Population number

Population abundance (in weight)
USE: Biomass

Population characteristics
UF: Population estimates
Population parameters
NT: Biomass
Population density
Population number
Population structure
RT: Natural populations
Population dynamics
Population factors
Population functions
Stock assessment
Population control
SN: Inhibitive action on populations by biological (introduction, exclusion or removal of organisms), chemical or physical means
BT: Control
RT: Biotic pressure
Natural populations

Population density
UF: Density (population)
Density dependent factor
Stock density
BT: Population characteristics
RT: Biomass
Biotic pressure
Density dependence
Population number
Quantitative distribution
Resource availability
Stocking density

Population dynamics
SN: Studies of changes that take place during the life span of a population
UF: Population studies
RT: Growth curves
Natural populations
Population characteristics
Population factors
Population functions
Population structure

Population estimates
USE: Population characteristics

Population factors
NT: Condition factor
Fish conversion factors
Length-weight relationships
Plankton equivalents
RT: Natural populations
Population characteristics
Population dynamics
Population functions
Population structure

Population functions
SN: Including dynamic parameters (rates)
NT: Growth
Mortality
Recruitment
RT: Density dependence
Natural populations
Population characteristics
Population functions
Population structure

Population genetics
SN: Relative frequency of hereditary characters and population or populations of a given species
BT: Genetics
RT: Biological speciation
Biopolymorphism

Population number
UF: Population abundance (in number)
Population size (in number)
Standing crop (in number)
Standing stock (in number)
BT: Population characteristics
RT: Abundance
Biomass
Population density
Quantitative distribution
Resource availability
Stock assessment
Yield
Population parameters
USE: Population characteristics

Population pressure
USE: Biotic pressure

Population size (in number)
USE: Population number

Population size (in weight)
USE: Biomass

Population structure
SN: Composition by size, sex and age groups of a breeding population (exploited or unexploited)
BT: Population characteristics
NT: Age composition
Length frequency
Sex ratio
Size distribution
Size-at-age
Size-at-first-maturity
RT: Natural populations
Population dynamics
Population factors
Population functions
Recruitment
Stock assessment
Subpopulations
Population studies
USE: Population dynamics

Populations (animal)
USE: Animal populations

Populations (natural)
USE: Natural populations

Populations (plants)
USE: Plant populations

Porcellanite
BT: Siliceous rocks

Pore pressure
UF: Pore water pressure
BT: Pressure
RT: Fluidized sediment flow
Hydrostatic pressure
Pore water
Sediment properties
Shear strength
Water content
Wave-induced loading

Pore water
SN: Before 1983 search also INTERSTITIAL WATER
UF: Interstitial water
BT: Water
RT: Dewatering
Fluidized sediment flow
Hydrothermal solutions
Interstitial environment
Pore pressure
Pore water samplers
Water content

Pore water samplers
BT: Sediment samplers
RT: Pore water
Water samplers

Porosity
BT: Physical properties
RT: Capillarity
Compauction
Compressibility
Electrical resistivity
Grain size
Percolation
Permeability
Texture
Void ratio
Voids
Water content
Wet bulk density

Porphyrins
BT: Glycosides
RT: Chlorophylls
Pigments

Port installations
UF: Docks
Harbour installations
Harbour structures
Jetties
Quays
BT: Coastal structures
RT: Gas terminals
Harbours

Ports
USE: Harbours
Position fixing
UF: Fixing position
Position fixing systems
NT: Inertial navigation
Radar navigation
Radio navigation
Satellite navigation
Sofar
RT: Geographical coordinates
Locating
Navigation
Navigational aids
Positioning systems

Potential density
SN: Use for potential density of seawater (sigma-O)
BT: Water density
RT: Adiabatic processes
In situ density
Potential temperature
Salinity
Sigma-T
Vertical stability

Potential energy
UF: Available potential energy
BT: Energy
NT: Dynamic analysis
RT: Froude number
Kinetic energy

Potential flow
UF: Irrotational flow
BT: Fluid flow
RT: Vorticity

Potential resources
UF: Reserves
BT: Resources
RT: Living resources
Potential yield
Resource development
Unconventional resources

Potential temperature
BT: Temperature
RT: Adiabatic processes
Air temperature
Bottom temperature
Oceanic trenches
Potential density
Vertical stability
Water temperature

Potential vorticity
BT: Vorticity
RT: Baroclinic instability
Barotropic instability

Potential yield
UF: Maximum sustainable yield
Sustainable yield
BT: Yield
RT: Potential resources
Unconventional resources

Potentialities
USE: Resources
Potentiometric titration
USE: Titration

Powdered products
BT: Processed fishery products
NT: Fish meal
RT: Byproducts

Power cables
BT: Electric cables

Power consumption
RT: Electric power sources
Electricity

Power from the sea
BT: Energy resources
NT: Electromagnetic power
Salinity power
Thermal power
Tidal power
Wave power
RT: Current power
Geothermal power
Renewable resources
Wind power

Power plant entrainment
USE: Entrainment

Power plant impingement
USE: Impingement

Power plants
UF: Electric power plants
Power stations
NT: Fossil fueled power plants
Hydroelectric power plants
Nuclear power plants
OTEC plants
RT: Cooling ponds
Cooling water
Electric power sources
Turbines
Waste heat

Power spectra
USE: Energy spectra

Practical salinity scale
SN: World standard for salinity data
BT: Salinity scales
Standards

Prandtl number
RT: Dimensionless numbers
Forced convection
Heat transfer
Momentum transfer
Reynolds number

Post larvae
USE: Juveniles

Pot fishing
BT: Catching methods
RT: Cephalopod fisheries
Pots

Potadromous migrations
BT: Migrations
RT: Anadromous migrations
Catadromous migrations
Freshwater fish

Potash deposits
RT: Subsurface deposits

Potassium
BT: Alkali metals
RT: Potassium compounds
Potassium isotopes

Potassium compounds
BT: Alkali metal compounds
RT: Potassium

Potassium isotopes
BT: Isotopes
RT: Potassium
Potassium-argon dating

Potassium-argon dating
BT: Radiometric dating
RT: Argon isotopes
Potassium isotopes

Potentiel density
SN: Use for potential density of seawater (sigma-O)
BT: Water density
RT: Adiabatic processes
In situ density
Potential temperature
Salinity
Sigma-T
Vertical stability

Potential energy
UF: Available potential energy
BT: Energy
NT: Dynamic analysis
RT: Froude number
Kinetic energy

Potential flow
UF: Irrotational flow
BT: Fluid flow
RT: Vorticity

Potential resources
UF: Reserves
BT: Resources
RT: Living resources
Potential yield
Resource development
Unconventional resources

Potential temperature
BT: Temperature
RT: Adiabatic processes
Air temperature
Bottom temperature
Oceanic trenches
Potential density
Vertical stability
Water temperature

Potential vorticity
BT: Vorticity
RT: Baroclinic instability
Barotropic instability

Potential yield
UF: Maximum sustainable yield
Sustainable yield
BT: Yield
RT: Potential resources
Unconventional resources

Potentialities
USE: Resources
Potentiometric titration
USE: Titration

Pots
UF: Lobster pots
BT: Fishing gear
RT: Pot fishing
Trap nets

Pound nets
USE: Trap nets

Powdered products
BT: Processed fishery products
NT: Fish meal
RT: Byproducts

Power cables
BT: Electric cables

Power consumption
RT: Electric power sources
Electricity

Power from the sea
BT: Energy resources
NT: Electromagnetic power
Salinity power
Thermal power
Tidal power
Wave power
RT: Current power
Geothermal power
Renewable resources
Wind power

Power plant entrainment
USE: Entrainment

Power plant impingement
USE: Impingement

Power plants
UF: Electric power plants
Power stations
NT: Fossil fueled power plants
Hydroelectric power plants
Nuclear power plants
OTEC plants
RT: Cooling ponds
Cooling water
Electric power sources
Turbines
Waste heat

Power spectra
USE: Energy spectra

Power stations
USE: Power plants

Power supplies
USE: Electric power sources

Power systems
USE: Electric power sources

Practical salinity scale
SN: World standard for salinity data
BT: Salinity scales
Standards

Prandtl number
RT: Dimensionless numbers
Forced convection
Heat transfer
Momentum transfer
Reynolds number
Prawn culture
SN: Before 1982 search
CRUSTACEAN CULTURE.
Restricted to rearing of freshwater prawns
BT: Crustacean culture
RT: Freshwater aquaculture
Polyculture
Pond culture
Prawn fisheries
USE: Shrimp fisheries
Prawn wastes
USE: Wastes

Precambrian
SN: Before 1982 search
PRECAMBRIAN ERA
UF: Archean
Proterozoic
BT: Geological time
Precautionary approach
USE: Precautionary principle

Precautionary principle
SN: A set of agreed cost-effective measures and actions, including future courses of action, which ensures prudent foresight, reduces or avoids risk to the resource, the environment, and the people, to the extent possible, taking explicitly into account existing uncertainties and the potential consequences of being wrong.
UF: Precautionary approach

Precipitation (atmospheric)
USE: Atmospheric precipitations

Precipitation (chemistry)
USE: Chemical precipitation

Precipitation (meteorology)
USE: Atmospheric precipitations

Precision depth recorders
USE: Depth recorders

Precision echosounders
USE: Echosounders

Precision gyroscopes
USE: Gyroscopes

Precision pressure recorders
USE: Pressure sensors

Predation
SN: Including predator/prey relationship
UF: Prey
BT: Interspecific relationships
NT: Prey selection
RT: Associated species
Feeding behaviour
Mortality causes
Natural mortality
Predator control
Predator prey interactions
Predators

Predator control
BT: Control
RT: Biological control
Predation
Predators
Prey selection

Predator prey interactions
RT: Predation
Predators

Predators
BT: Heterotrophic organisms
RT: Carnivores
Competitors
Predation
Predator control
Predator prey interactions
Prey selection
Protective behaviour
Secondary production

Predicting
USE: Prediction

Prediction
UF: Forecasting
Forecasts
Predicting
Predictions
NT: Climate prediction
Current prediction
Earthquake prediction
Flood forecasting
Ice forecasting
Storm surge prediction
Tidal prediction
Tsunami prediction
Wave predicting
Weather forecasting
RT: Approximation
Critical path method
Long-term changes
Short-term changes
Simulation
Statistical analysis
Yield predictions

Predictions
USE: Prediction

Preferred temperature
USE: Temperature preferences

Pregnancy
UF: Gestation
RT: Parturition
Placenta
Sexual reproduction
Viviparity

Preservation (fishery products)
USE: Processing fishery products

Preservation (organisms)
USE: Fixation

Preservatives
BT: Agents
RT: Anticoagulants
Fixation

Pressure
BT: Physical properties
NT: Atmospheric pressure
Blood pressure
Hydrostatic pressure
Osmotic pressure
Pore pressure
Sound pressure
Vapour pressure
RT: Compression
Loads (forces)
Manometers
Pressure measurement
Weight

Pressure (atmospheric)
USE: Atmospheric pressure

Pressure (osmotic)
USE: Osmotic pressure

Pressure (populations)
USE: Biotic pressure

Pressure (water)
USE: Hydrostatic pressure

Pressure chambers
USE: Decompression chambers

Pressure effects
SN: Hydrostatic influence upon behaviour of aquatic organisms
UF: Pressure tolerance
BT: Environmental effects
NT: High pressure effects
RT: Diving physiology
Hydrostatic pressure
Mechanoreceptors

Pressure field
BT: Fields
RT: Atmospheric pressure
Hydrostatic pressure
Isobaric surfaces
Pressure gradients

Pressure gauges
BT: Measuring devices
Pressure sensors
RT: Manometers
Pressure measurement

Pressure gradients
RT: Hydrostatics
Pressure field
Pressure measurement
BT: Measurement
RT: Pressure
Pressure gauges

Pressure sensors
UF: Precision pressure recorders
BT: Sensors
NT: Pressure gauges
RT: Tide gauges
Transducers
Wave measuring equipment
Pressure test facilities
USE: Pressure vessels

Pressure tolerance
USE: Pressure effects

Pressure transducers
USE: Pressure sensors

Pressure vessels
UF: Pressure test facilities
RT: High pressure effects
Pressure waves
USE: Elastic waves

Prestressed concrete
BT: Concrete

Prey
USE: Predation

Prey selection
BT: Predation
RT: Competition
Predator control
Predators

Prices
USE: Costs

Pricing
UF: Fish prices
Market prices
RT: Commercial legislation
Cost analysis
Costs
Financing
Globalization
Market research
Marketing
Trade

Primary fishery products
USE: Fishery products

Primary production
BT: Biological production
RT: Algal blooms
Biogeochemical cycle
Compensation depth
Eutrophication
Light penetration
Photosynthesis
Phyto benthos
Phytoplankton
Secondary production

Primary sedimentary structures
USE: Sedimentary structures

Primary waves
USE: P-waves

Primers
BT: Coating materials
RT: Paints

Probability theory
RT: Game theory
Mathematical models
Operations research
Random processes
Statistical analysis
Statistical models
Statistical sampling
Stochastic processes
Time series

Probes (instruments)
USE: Sensors

Probes (sensors)
USE: Sensors

Procedures
RT: Planning
Tests

Proceedings
USE: Conferences

Process plants
RT: Mineral processing
Oil and gas industry
Oil refineries
OTEC plants

Processed fishery products
SN: Use of a more specific term is recommended. Before 1982 search FISHERY PRODUCTS
UF: Fish sausage
BT: Fishery products
NT: Canned products
Chilled products
Cured products
Dried products
Fermented products
Fish fillets
Fish glue
Fish oils
Frozen products
Krill products
Minced products
Powdered products
Roes
Seaweed products
Stickwater
RT: Byproducts
Packaging fishery products
Processing fishery products
Seafood

Processing fishery products
SN: Methods and techniques of processing commercial species, mainly fish and shellfish
UF: Conservation (fishery products)
Preservation (fishery products)
NT: Animal oil extraction
Canning
Curing
Drying
Fish meal processing
Seaweed processing
RT: Codex standards
Fish handling
Fish utilization
Fishery industry
Food technology
Processed fishery products
Shrimp spoilage

Product development
UF: Development (products)
New product development
Product improvement
RT: Marketing
New products
Production cost

Product improvement
USE: Product development

Production (biological)
USE: Biological production

Production (industrial)
USE: Industrial production

Production (oil and gas)
USE: Oil and gas production

Production cost
UF: GER
Gross energy requirement
BT: Costs
RT: Feasibility
Industrial production
Product development
Production management

Production management
UF: Market management
BT: Management
RT: Industrial production
Production cost
Quality control

Production platforms
BT: Work platforms
RT: Drilling
Drilling equipment
Drilling platforms
Drilling rigs
Drilling vessels
Oil and gas production
Production rate
USE: Biological production

Products
UF: Goods
NT: Aquaculture products
Byproducts
Fishery products
Industrial products
New products
RT: Raw materials

Professionals
USE: Experts

Profilers
UF: Continuous profilers
Shear probes
BT: Instruments
NT: Bathythermographs
CTD profilers
Dropsonde
Free-fall profilers
STD profilers
Velocity profilers
RT: Oceanographic equipment
Profiles

Profiles
NT: Horizontal profiles
Vertical profiles
RT: Contours
Gradients
Graphs
Profilers
Profiling

Profiling
SN: Use of a more specific term is recommended
NT: Seismic reflection profiling
Seismic refraction profiling
Sub-bottom profiling
Vertical profiling
RT: Profiles
Profiling current meters
USE: Velocity profilers

Progradation
UF: Coast accretion
RT: Beach accretion
Coastal morphology
Coasts
Deltas
Emergent shorelines
Eustatic changes
Regressions
Retrogradation
Salt marshes
Uplift

Programmes
NT: Cruise programmes
Research programmes
RT: Planning
Programming
USE: Planning

Progress reports
BT: Report literature
RT: Annual reports

Progressive waves
BT: Oscillatory waves
Project evaluation
USE: PERT

Proliferation
SN: Growth by the rapid multiplication of parts.

Proline
BT: Amino acids
RT: Pyrrolidine

Promontories
USE: Headlands

Promoters
Propagation
USE: Reproduction
Propagation (water waves)
USE: Wave propagation

Propane
BT: Acyclic hydrocarbons

Propelleds
RT: Cavitation
Propulsion systems
Thrusters

Properties
SN: Use of a more specific term is recommended
NT: Biological properties
Chemical properties
Conservative properties
Ice properties
Non-conservative properties
Organoleptic properties
Physical properties
Physicochemical properties
Sediment properties
Surface properties
Water properties
RT: Parameters

Property rights
UF: Ownership
BT: Rights
RT: Rental
Riparian rights
Water rights

Prophylaxis
UF: Disease preventive treatment
RT: Disease control
Diseases
Parasitism
Therapy
Proposed research
USE: Research proposals

Propulsion engines
USE: Propulsion systems

Propulsion systems
SN: Before 1982 search also PROPELLION ENGINES. For propulsion of aquatic organisms use LOCOMOTION
UF: Marine propulsion
Propulsion engines
NT: Sails
Thrusters
RT: Diesel engines
Manoeuvrability
Motors
Nuclear propulsion
Propellers
Ship technology
Shipboard equipment
Steering systems
Turbines
Underwater propulsion
Vehicles

Protactinium
BT: Actinides
RT: Protactinium isotopes

Protactinium isotopes
BT: Isotopes
RT: Protactinium

Protandry
RT: Hermaphroditism
Self fertilization

Protected areas
SN: An area set aside for the preservation and protection of highly important natural and cultural features and for the regulation of the scientific, educational and recreational use. Before 2008 search MARINE PARKS
UF: Nature reserves
Parks
NT: Freshwater parks
Marine parks

Protected resources
BT: Resources
RT: Freshwater parks
Living resources
Marine parks
Natural resources
Rare resources
Rare species
Resource conservation
Protection
NT: Environmental protection
Fishery protection
Scour protection
Seabed protection
RT: Accident prevention

Protection (coastal)
USE: Shore protection

Protection (human)
USE: Health and safety

Protection (security)
USE: Surveillance and enforcement

Protection vessels
UF: Fishery protection vessels
RT: Defence craft
Fishery protection
Security
Surface craft
Surveillance and enforcement

Protective behaviour
SN: Avoiding or hiding from predators
BT: Behaviour
RT: Autotomy
Burrowing organisms
Camouflage
Chemical defence
Chromatic behaviour
Defence mechanisms
Mimicry
Predators
Schooling behaviour

Protective clothing
RT: Diving equipment
Safety devices

Protective coatings
USE: Coating materials

Protein deficiency
BT: Dietary deficiencies
RT: Protein synthesis
Proteins

Protein denaturation
UF: Denaturation (proteins)
BT: Biochemical phenomena
RT: Nucleic acids
Protein synthesis
Proteins

Protein metabolism
USE: Protein synthesis

Proteinase
USE: Enzymes

Proteins
BT: Organic compounds
NT: Actin
Albumins
Collagen
Globulins
Glycoproteins
Histones
Lipoproteins
Luciferin
Metallothioneins
Mucins
Myoglobins
Myosin
Peptides
Peptones
Single cell proteins
RT: Amino acids
Cytochromes
Enzymes
Haemocyanins
Insulin
Nitrogen compounds
Nucleic acids
Nutritive value
Organic constituents
Protein deficiency
Protein denaturation
Protein synthesis
Ribosomes
Serological studies
Sero logical taxonomy
Yolk

Proterozoic
USE: Precambrian

Protists
SN: The primitive organisms from which animals and plants arose
UF: Protobionta
RT: Evolution
Protobionta
USE: Protists

Protogyne
RT: Hermaphroditism
Protoplasm
USE: Cytoplasm

Protoplasts
RT: Cell membranes
Cells
Cytoplasm
Nuclei

Prototypes
RT: Models
Specifications

Protozoal diseases
USE: Protozoan diseases

Protozoal pesticides
USE: Antiprotozoal agents

Protozoan diseases
UF: Protozoal diseases
BT: Infectious diseases
RT: Antiprotozoal agents
Biological control
Biological vectors
Fish diseases
Immunization
Malaria
Parasite control
Parasites
Parasitic diseases
Parasitism
Parasitology

Provenance
UF: Sediment source region
RT: Palaeocurrents
Sedimentation
Sediments

Psammon
SN: The biota existing immediately below the upper layer of sand on beaches, existing in films of water in the interstices
BT: Aquatic communities
RT: Epipsammon
Sand

Pteropod ooze
BT: Calcareous ooze
RT: Aragonite
Fossil pteropods

Public access
BT: Access
RT: Recreation

Public health
UF: Health
Human health
BT: Health and safety
RT: Epidemics
Human diseases
Hygiene
Medicine
Microbial contamination
Quarantine regulations
Radiation protection
Water pollution treatment
Water purification

Public outreach
USE: Extension activities

Publications
USE: Documents

Publicity material
UF: Advertisements
RT: Documents
Lectures

216
Pulp wastes
BT: Wastes

Pulsed lasers
USE: Lasers

Pumice
BT: Volcanic rocks

Pump fishing
BT: Catching methods
RT: Electric fishing
Light fishing
Pumping
Pumps

Pump stations
UF: Booster stations
Pipeline pumping stations
RT: Pipelines
Pumps

Pumping
RT: Pump fishing
Pumps
Slurries

Pumps
UF: Air pumps
BT: Machinery
NT: Fish pumps
Water pumps
RT: Pump fishing
Pump stations
Pumping
Pumps (water)
USE: Water pumps

Pupae
BT: Insect larvae

Pups
BT: Juveniles

Purchasers
USE: Consumers

Purchasing
RT: Acquisition
Consumers
Costs

Purification (water)
USE: Water purification

Purines
BT: Organic compounds

Purse seiners
USE: Seiners

Purse seines
BT: Surrounding nets
RT: Purse seining
Seiners

Purse seining
BT: Seining
RT: Bait fishing
Purse seines

P-waves
UF: Compressional waves (seismic)
Primary waves
BT: Body waves
RT: Compressional wave velocities
S-waves

Pycnocline
UF: Density layer
BT: Discontinuity layers
RT: Density fronts
Density gradients
Density profiles
Density stratification
Isopycnics
Mixed layer depth
Thermocline
Water density
Water masses

Pyloric caeca
BT: Alimentary organs
RT: Digestive glands
Intestines
Stomach

Pyranometers
USE: Actinometers

Pyreometers
USE: Actinometers

Pyridines
BT: Azines

Pyrimidines
BT: Azines

Pyrite
BT: Sulphide minerals

Pyroclastics
USE: Volcanic rocks

Pyrolusite
BT: Oxide minerals
RT: Manganese minerals

Pyrolysis
BT: Degradation
RT: Biogeochemistry
Dissociation
Temperature effects

Pyroxenes
BT: Silicate minerals
NT: Augite
RT: Alkali basalts
Tholeiite

Pyrrhotite
BT: Sulphide minerals

Pyrolidine
BT: Amines
RT: Proline
Quahog fisheries
USE: Clam fisheries

Quality
UF: Grades
RT: Acceptability
Quality assurance
Quality control

Quality analysis
USE: Quality assurance

Quality assurance
UF: Quality analysis
Reliability assurance
RT: Quality
Quality control
Storage life
Tests
Visual inspection

Quality control
SN: Methods and procedures for testing and monitoring quality at acceptable levels
UF: Fish freshness
BT: Control
NT: HACCP
Water quality control
RT: Acceptance tests
Certification
Commercial legislation
Control charts
Fish spoilage
Inspection
Performance assessment
Production management
Quality
Quality assurance
Shrimp spoilage
Standards
Storage effects
Testing

Quanta meters
BT: Light measuring instruments
RT: Irradiance meters
Photometry

Quantitative distribution
BT: Distribution
RT: Abundance
Biological charts
Biomass
Geographical distribution
Population density
Population number
Resource availability
Spatial variations
Temporal distribution
Quarantine regulations
SN: Regulations for protecting public health
BT: Legislation
RT: Epidemics
Public health
Safety regulations

Quarries
USE: Pits

Quartz
BT: Silicate minerals
RT: Tholeiite

Quartzite
BT: Silicate minerals

Quasi-geostrophic motion
BT: Geostrophic flow

Quasi-geostrophic waves
USE: Planetary waves

Quaternary
SN: Before 1982 search also QUATERNARY PERIOD
UF: Quaternary period
BT: Cenozoic
NT: Holocene
Pleistocene
RT: Sea level

Quaternary period
USE: Quaternary

Quays
USE: Port installations

Quinolines
BT: Azines

Quota regulations
UF: Catch limit
Catch quota
BT: Fishery regulations
RT: Blue whale unit
Catch statistics
Permits
Total allowable catch

Race
USE: Subpopulations

Raceway culture
UF: River culture
Running water culture
BT: Aquaculture techniques
RT: Crustacean culture
Fish culture
Freshwater aquaculture
Intensive culture
Monoculture

Racial studies
RT: Genetics
Stock identification
Subpopulations

Rack culture
USE: Off-bottom culture

Radar
UF: Radar equipment
Radar systems
BT: Remote sensing equipment
NT: Microwave radar
RT: Lidar
Navigational aids
Radar altimetry
Radar clutter
Radar imagery
Radar navigation
Radio oceanography
Sonar

Radar altimeters
BT: Altimeters
RT: Wave measuring equipment

Radar altimetry
BT: Altimetry
RT: Radar
Radar imagery
Radio oceanography
Satellite altimetry
Wave measurement

Radar clutter
UF: Noise (radar echoes)
NT: Surface clutter
RT: Radar
Radar imagery

Radar equipment
USE: Radar

Radar imagery
UF: Radar methods (sensing)
BT: Microwave imagery
RT: Electromagnetic radiation
Radar
Radar altimetry
Radar clutter
Radio oceanography
Scatterometers

Radar methods (sensing)
USE: Radar imagery

Radar navigation
BT: Navigation
Position fixing
RT: Collision avoidance
Radar
Radio navigation

Radar systems
USE: Radar

Radiance
SN: Flux of radiant energy in water
RT: Emissivity
Irradiance
Light
Light fields

Optical properties
Radiance meters
Radiative transfer
Solar radiation

Radiance distribution
USE: Light fields

Radiance meters
BT: Light measuring instruments
RT: Radiance

Radiation balance
SN: Net flux of solar and terrestrial radiation at water surface
UF: Net radiation
Radiation budget
RT: Heat budget
Heat exchange
Solar radiation
Terrestrial radiation

Radiation budget
USE: Radiation balance

Radiation fog
USE: Fog

Radiation hazards
UF: Radioactive exposure
BT: Hazards
RT: Radiation leaks
Radiation protection
Radioactive contamination
Radioactive wastes

Radiation leaks
BT: Accidents
RT: Radiation hazards
Radioactive waste disposal

Radiation measuring equipment
USE: Radiometers

Radiation protection
UF: Radiological protection
BT: Health and safety
RT: Public health
Radiation hazards
Radioactive contamination
Radioactive waste disposal
Safety regulations

Radiational tides
BT: Tides
RT: Meteorological tides
Solar radiation
Tidal constituents

Radiations
SN: Use of a more specific term is recommended
NT: Electromagnetic radiation
Ionizing radiation
Thermal radiation
Radiative transfer
UF: Radiative transfer equation
BT: Energy transfer
RT: Electromagnetic radiation
Heat transfer
Irradiance
Light fields
Polarization
Radiance
Solar radiation
Terrestrial radiation
Radiative transfer equation
USE: Radiative transfer

Radio
BT: Communication systems
RT: Radio aids
Radio buoys
Television systems

Radio aids
SN: Equipment used for position fixing in navigation
RT: Radio
Radio navigation

Radio buoy
BT: Buoys
RT: Communication systems
Fishing buoys
Radio

Radio navigation
BT: Navigation
Position fixing
NT: Decca
Loran
Omega
RT: Radar navigation
Radio aids

Radio oceanography
BT: Oceanography
RT: Radar
Radar altimetry
Radar imagery
Remote sensing
Satellite sensing

Radio telemetry
BT: Telemetry
Radio tracking
USE: Tracking

Radio waves
BT: Electromagnetic radiation

Radioactive aerosols
UF: Radioactive particulates
BT: Aerosols
RT: Fallout

Radioactive contamination
UF: Contamination (radioactive)
Radioactive pollution
BT: Pollution
RT: Body burden
Dust
Fallout
Nuclear explosions
Nuclear power plants
Radiation hazards
Radiation protection
Radioactive pollutants
Radioactive waste disposal
Radioactive wastes
Radioactivity
Radiochemistry
Radioecology
Radioisotopes
Radionuclide kinetics
Toxicity
Water pollution
Radioactive dating
USE: Radiometric dating

Radioactive exposure
USE: Radiation hazards

Radioactive fallout
USE: Fallout

Radioactive isotopes
USE: Radioisotopes

Radioactive labelling
UF: Isotopic labelling
Labelling (radioactive)
Radioactive tagging
RT: Radioactive tracers
Radioactivity

Radioactive materials
BT: Materials
NT: Fission products
RT: Radioactive wastes
Radioisotopes

Radioactive particulates
USE: Radioactive aerosols

Radioactive pollutants
BT: Pollutants
RT: Carcinogens
Fallout
Radioactive contamination
Radioactive wastes
Radioactivity
Radioisotopes

Radioactive pollution
USE: Radioactive contamination

Radioactive tagging
USE: Radioactive labelling

Radioactive tracers
BT: Tracers
RT: Autoradiography
Carbon 13
Carbon 14
Radioactive labelling

Radioactive waste disposal
BT: Waste disposal
RT: Radiation leaks
Radioactivity
Radioactive contamination
Radioactive wastes

Radioactive wastes
SN: Radioactive wastes in aquatic environment
UF: Nuclear wastes
BT: Hazardous materials
Wastes
RT: Fallout
Nuclear power plants
Nuclear radiations
Radiation hazards
Radioactive contamination
Radioactive materials
Radioactive pollutants
Radioactive waste disposal
Radioactivity
Radiochemistry
Radioecology
Thermal pollution

Radioactivity
RT: Actinium
Fallout
Gamma spectroscopy
Geiger counters
Ionizing radiation
Nuclear energy
Nuclear physics
Nuclear radiations
Plutonium
Radioactive contamination
Radioactive labelling
Radioactive pollutants
Radioactive tracers
Radioactive wastes
Radiochemistry
Radioecology
Radiography
Radioisotopes
Radiometric dating
Radionuclide kinetics
Radium
Uranium

Radiocarbon dating
BT: Radiometric dating
RT: Carbon 13
Carbon 14

Radiochemistry
BT: Chemistry
RT: Irradiation
Nuclear radiations
Radioactive contamination
Radioactivity
Radioecology
Radioisotopes
Radioecology
SN: Use of a more specific term is recommended
BT: Ecology
RT: Radioactive contamination
Radioactive tracers
Radioactive wastes
Radioactivity
Radiochemistry
Radioisotopes

Radiographic testing
USE: Nondestructive testing

Radiography
NT: Autoradiography
Tomography
RT: Fluorescence microscopy
Irradiation
Photography
Radioactive tracers
Radioactivity
X-ray spectroscopy

Radioisotope kinetics
USE: Radioisotope kinetics

Radioisotopes
UF: Radioactive isotopes
Radiochemicals
BT: Isotopes
NT: Carbon 14
RT: Carbon 13
Europium
Nuclear physics
Radioactive contamination
Radioactive materials
Radioactive pollutants
Radioactive tracers
Radioactivity
Radiochemistry
Radioecology
Radiometric dating
Radioisotope kinetics

Radiolarian oozes
SN: Composed of skeletons of planktonic animals
BT: Siliceous oozes
RT: Fossil radiolarians
Radiolarite

Radiometric dating
SN: Before 1982 search
RF: ACTIVE DATING
UF: Isotope dating
Radioactive dating
BT: Geochronometry
NT: Oxygen isotope dating
Potassium-argon dating
Radiocarbon dating
Rubidium-strontium dating
Thorium-230/thorium-232 dating
Uranium-helium dating
RT: Absolute age
Geological time
Isotopes
Nuclear radiation
Oxygen isotope ratio
Radioactivity
Radioisotopes
Uranium-234/uranium-238 ratio

Radionuclide kinetics
SN: For radionuclides in living organisms only
UF: Contamination (internal)
Radioisotope kinetics
Radionuclide metabolism
Radionuclide transfer (in organisms)
Radionuclide turnover (in organisms)
BT: Kinetics
RT: Biological half life
Body burden
Metabolism
Radioactive contamination
Radioactivity
Radioisotopes

Radon
BT: Alkaline earth metals
Heavy metals
RT: Radioactivity
Radioisotopes

Radon isotope
BT: Isotopes
RT: Radon

Radula
SN: Before 1982 search
MOUTH PARTS
BT: Mouth parts
RT: Alimentary organs
Teeth

Raft culture
SN: Before 1982 search
OFF-BOTTOM CULTURE
BT: Aquaculture techniques
RT: Cage culture
Mollusc culture
Off-bottom culture

Rafting
BT: Sediment transport
NT: Biological rafting
Ice rafting
RT: Glacial deposits
Ice drift

Rafts
USE: Boats

Rafts (instrument carriers)
USE: Data buoys

Rafts (life)
USE: Lifeboats

Rain
UF: Rain water
BT: Atmospheric precipitations
NT: Acid rain
RT: Droughts
Hail
Rain gauges
Rainfall
Rainy season
Snow
Rain drops
USE: Droplets
Rain gauges
BT: Meteorological instruments
RT: Rain
Rainfall

Rain water
USE: Rain

Rainfall
SN: Amount of both rain and water equivalent of frozen precipitation
RT: Climate
Droughts
Hail
Hydrologic cycle
Rain
Rain gauges
Runoff
Snow
Weather

Rainy season
UF: Wet season
BT: Seasons
RT: Dry season
Monsoons
Rain
Tropical environment

Raised beaches
BT: Beaches
RT: Emergent shorelines
Sea level changes
Strandlines
Terraces
Uplift

Rakes
USE: Grappling gear

Ranching
SN: Use of the natural aquatic environment as free feeding grounds for culturing organisms
UF: Ocean ranching
RT: Stocking (organisms)
Water rights

Random processes
RT: Probability theory
Statistical analysis
Stochastic processes

Random sampling
USE: Statistical sampling

Range action
USE: Harbour oscillations

Rare earth elements
USE: Rare earths

Rare earths
UF: Rare earth elements
BT: Metals
NT: Actinides
Lanthanides
RT: Transition elements

Rare gases
UF: Inert gases
Noble gases
BT: Chemical elements
Gases
NT: Argon
Helium
Krypton
Neon
Radon
Xenon

Rare resources
BT: Resources
RT: Living resources
Natural resources
Overexploitation
Protected resources
Rare species
Resource conservation

Rare species
UF: Endangered organisms
Endangered species
Species rarity
BT: Species
RT: Aquatic animals
Aquatic plants
Nature conservation
Protected resources
Rare resources
Species extinction

Rates and taxes
USE: Taxes

Ratios
NT: Bowen ratio
Carbon isotope ratio
Carbon/nitrogen ratio
Conductivity ratio
Mixing ratio
Poisson's ratio
Signal-to-noise ratio
Void ratio
RT: Albedo
Coefficients
Constants
Dimensionless numbers
Rossby number

Raw materials
BT: Materials
RT: Natural resources
Products

Rawinsondes
USE: Radiosondes

Ray paths
UF: Seismic ray path
Sound ray paths
RT: Seismic propagation
Seismic waves
Sound waves

Rayleigh waves
BT: Surface seismic waves

Rays fisheries
USE: Shark fisheries

Reaction kinetics
USE: Chemical kinetics

Reactions (chemical)
USE: Chemical reactions

Reading lists
USE: Bibliographies

Rearing
UF: Artificial rearing
Experimental rearing
Laboratory rearing
RT: Aquaculture
Aquaculture techniques
Artificial feeding
Culture tanks
Hatching
Larval development

Recent epoch
USE: Holocene

Recent sediments
UF: Holocene sediments
BT: Sediments

Receptor cells
USE: Receptors

Receptors
UF: Exteroceptors
Interceptors
Receptor cells
Sensory receptors
BT: Cells
NT: Target cells
Thermoreceptors
RT: Neurons
Sense organs

Recirculating systems
UF: Closed recirculating systems
Recirculating water systems
Recirculation systems
Water circulating systems
BT: Aquaculture systems
RT: Aquaculture equipment
Biofilters
Culture tanks
Water circulation
Water filtration
Water pumps

Recirculating water systems
USE: Recirculating systems

Recirculation systems
USE: Recirculating systems
Reclamation
SN: Use of a more specific term is recommended
NT: Lake reclamation
Land reclamation
Water reclamation
RT: Conservation
Depletion
Reclamation (lakes)
USE: Lake reclamation
Reclamation (land)
USE: Land reclamation
Reclamation (water)
USE: Water reclamation

Recombinants
RT: Recombination
Recombination
RT: Recombinants

Recorders
USE: Recording equipment

Recording equipment
UF: Recorders
Recording instruments
BT: Equipment
NT: Depth recorders
Sound recorders
Wave recorders
RT: Data buoys
Data loggers
Electronic equipment
Measuring devices
Monitoring systems
Sensors
Recording instruments
USE: Recording equipment

Records
NT: Analog records
Digital records
Long-term records
Short-term records
RT: Audio recordings
Logbooks
Magnetic tape recordings
Videotape recordings

Recovery
SN: Recovery of materials and equipment including underwater vehicles
UF: Recovery of equipment
NT: Core recovery
Moorng recovery
RT: Deployment
Gear handling
Launching
Station keeping
Recovery of equipment
USE: Recovery
Recovery of wrecks
USE: Salvaging

Recreation
UF: Leisure activities
Outdoor recreation
NT: Bathing
Boating
Sport fishing
Surfing
RT: Public access
Recreational waters
Tourism
Recreational fishing
USE: Sport fishing
Recreational swimming
USE: Bathing

Recreational waters
RT: Beaches
Freshwater parks
Marinas
Marine parks
Recreation
Riparian rights
Water
Water bodies
Water use regulations

Recruitment
SN: Including animal recruitment, length, weight and age at first capture, number of recruits
UF: Recruitment rate
BT: Population functions
RT: Age at recruitment
Population structure
Yield
Yield/recruit

Recruitment rate
USE: Recruitment

Red blood cells
USE: Erythrocytes

Red blood corpuscles
USE: Erythrocytes

Red boil disease
USE: Boil disease

Red clay
USE: Pelagic clay

Red crab fisheries
USE: Squat lobster fisheries

Red muscles
USE: Muscles

Red pest
USE: Vibriosis

Red tides
RT: Algal blooms
Biological poisons
Discoloured water
Phytoplankton
Poisonous organisms
Toxicity

Reds
SN: Spawning area of trout or salmon on the bottom of a lake or stream; usually a clear circular depression in gravel
UF: Salmon nests
RT: Nests
Spawning grounds

Redfish fisheries
UF: Rockfish fisheries
Scorpionfish fisheries
BT: Finfish fisheries

Redmouth disease
UF: Enteric redmouth
Hagermon redmouth
RM
BT: Fish diseases
RT: Bacterial diseases

Redox potential
UF: EH
Oxidation-reduction potential
BT: Chemical properties
RT: Chemical reactions
Oxidation
Oxidoreductases
Oxygen depletion
Redox reactions
Reduction
Redox processes
USE: Redox reactions

Redox reactions
UF: Oxidation-reduction reactions
Redox processes
BT: Chemical reactions
RT: Oxidation
Oxidoreductases
Polarography
Redox potential
Reduction

Reduction
BT: Chemical reactions
NT: Sulphate reduction
RT: Redox potential
Redox reactions

Reduction division
USE: Meiosis

Reef fish
BT: Marine fish
RT: Artificial reefs
Coral reefs
Reef fisheries
  BT: Marine fisheries
  RT: Artificial reefs
  Coral reefs
  Percoid fisheries

Reef formation
  RT: Reefs
    Sedimentation

Reefs
  UF: Rocky reefs
  NT: Bioherms
  Coral reefs
  Oyster reefs
  RT: Artificial reefs
  Reef formation
  Shallow water
  Shoals

Reefs (artificial)
  USE: Artificial reefs

Reefs (coral)
  USE: Coral reefs

Reefs (navigational hazard)
  USE: Shoals

Re-entry (deep-sea drilling)
  USE: Hole re-entry

Reference levels
  BT: Levels
  NT: Datum levels
    Level of no motion
  RT: Data reduction

Refineries
  USE: Oil refineries

Reflectance
  UF: Reflectivity
  BT: Optical properties
  RT: Air-water interface
    Albedo
    Glitter
    Light reflection
    Reflected global radiation
    Surface roughness
    Wave effects

Reflected global radiation
  BT: Solar radiation
  RT: Air-water interface
    Reflectance

Reflection
  NT: Light reflection
    Seismic reflection
    Sound reflection
    Wave reflection
  RT: Absorption (physics)
    Albedo
    Reverberation
    Transmission
    Wave motion

Refraction
  NT: Light refraction
    Seismic refraction
    Sound refraction
    Wave refraction
  RT: Wave motion

Refraction (light)
  USE: Light reflection

Refraction (water waves)
  USE: Wave reflection

Refraction loss
  USE: Transmission loss

Reflectivity
  USE: Reflectance

Refractive index
  SN: Before 1982 search
    REFRACTIVITY
    UF: Refractivity
    BT: Optical properties
    RT: Electrical conductivity
      Light dispersion
      Light refraction
      Light scattering
      Salinity
      Salinity measurement
      Water temperature

Refractive index
  USE: Refractive index

Refrigeration
  SN: Before 1982 search
    FREEZING
  RT: Chilled products
    Chilling storage
    Cold storage
    Freezing
    Frozen products
    Refrigerators
    Thawing

Refrigeration storage
  USE: Cold storage

Refrigerators
  RT: Cold storage
    Refrigeration

Refuges
  SN: Isolated localities, where
    organisms are free from natural
    or man-induced pressures
  UF: Refugia
    Wildlife refuges

RT: Freshwater parks
    Marine parks
    Nature conservation
    Sanctuaries

Refugia
  USE: Refuges

Refuse
  USE: Litter

Regeneration
  SN: Regeneration processes of
    tissue, organs and appendices lost
    by injuries in natural or
    experimental conditions
  BT: Biological phenomena
  RT: Autotomy
    Body organs
    Degeneration
    Growth
    Organ removal

Regional planning
  BT: Planning
  RT: National planning
    Regions

Regional variations
  BT: Spatial variations
  RT: Annual variations
    Migrations
    Seasonal variations

Regions
  RT: Regional planning

Regression analysis
  BT: Statistical analysis
  RT: Correlation analysis
    Least squares method
    Scatter diagrams
    Variance analysis

Regressions
  UF: Marine regressions
  RT: Coasts
    Emergent shorelines
    Eustatic changes
    Glaciation
    Progradation
    Sea level changes
    Transgressions
    Uplift

Regular waves
  BT: Water waves
  RT: Wave period

Regulation compliance
  Regulations
  USE: Legislation

Reinforced concrete
  BT: Concrete
  RT: Steel
Relative abundance
USE: Abundance

Relative density
SN: Use for specific gravity of sea water. Before 1984 search also SPECIFIC GRAVITY
BT: Water density
RT: Sea water
Specific gravity
Water properties

Relative humidity
BT: Humidity
RT: Specific humidity

Relative vorticity
BT: Vorticity
RT: Absolute vorticity
Vertical shear

Release mechanisms
UF: Acoustic release mechanisms

Reliability
RT: Acceptability
Accuracy
Certification
Evaluation
Failures
Performance assessment
Risks

Reliability assurance
USE: Quality assurance

Relict lakes
BT: Lakes
RT: Fossil sea water

Relict organisms
USE: Relict species

Relict sediments
BT: Sediments

Relict shorelines
BT: Coasts

Relict species
SN: A species that is the remainder of a formerly more widely distributed species
UF: Relict organisms
BT: Species
RT: Ecological distribution
Geographical distribution
Living fossils

Relief forms
USE: Topographic features

Remanent magnetism
USE: Remanent magnetization

Remanent magnetization
UF: Magnetic remanence
Remanent magnetism

Rock magnetism
BT: Magnetic properties
RT: Core orientation
Geomagnetic field
Paleomagnetism

Remote control
BT: Control
RT: Acoustic command systems
Automation
Robots
Unmanned vehicles

Remote satellite sensing
USE: Remote sensing

Remote sensing
SN: Remote sensing of the environment from all locations, i.e. sea surface, space, etc. For sensing from space use GEOSEN
UF: Remote satellite sensing
Remote sensing techniques
NT: Geosensing
RT: Data acquisition
Echosounding
Electromagnetic radiation
Imagery
Infrared detectors
Radio oceanography
Remote sensing equipment
Remote sensing (earth)
USE: Geosensing

Remote sensing equipment
UF: Image sensors
Remote sensors
BT: Equipment
NT: Radar
Radiometers
Sonar
RT: Electronic equipment
Laser bathymeters
Lidar
Multispectral scanners
Oceanographic equipment
Photographic equipment
Remote sensing Scatterometers
Sensors
Sodar
Surveying equipment

Remote sensing techniques
USE: Remote sensing

Remote sensors
USE: Remote sensing equipment

Remotely operated vehicles
USE: Unmanned vehicles

Removal
NT: Organ removal
RT: Installation
Salvaging

Renewable resources
BT: Natural resources
RT: Food resources
Geothermal power
Hydroelectric power
Living resources
Marine resources
Nonrenewable resources
Power from the sea
Solar power
Water resources
Wind power

Renewal
RT: Flushing time
Overtturn
Residence time

Rent
USE: Rental

Rental
SN: Renting of land, water bodies or water resources for exploitation purposes
UF: Rent
Renting
RT: Leases
Property rights
Water rights

Renting
USE: Rental
Repair
USE: Maintenance and repair

Repellents
NT: Fish repellents
RT: Insecticides
Pest control
Pesticides
Toxicants

Replacing
USE: Maintenance and repair

Replication

Report literature
SN: Unpublished scientific and technical documents, in most cases describing the results of research and development projects. Use of a more specific term is recommended. Before 1982 search REPORTS
UF: Reports
NT: Annual reports
Data reports
Progress reports
RT: Data collections
Documents

Reports
USE: Report literature
**Reproduction**
SN: Before 1982 search
UF: Propagation
Reproduction (biology)
Reproduction rate
NT: Alternate reproduction
Androgenesis
Asexual reproduction
Cell division
Parthenogenesis
Sexual reproduction
Vegetative reproduction
RT: Biogenesis
Reproductive behaviour
Reproductive cycle
Zygotes

**Reproduction (biology)**
USE: Reproduction

**Reproduction rate**
USE: Reproduction

**Reproductive behaviour**
BT: Behaviour
RT: Breeding
Courtship
Nesting
Parental behaviour
Reproduction
Sexual behaviour
Spawning
Spawning migrations

**Reproductive cycle**
SN: A period between hatching and the first spawning of a given generation
UF: Breeding cycle
RT: Breeding
Life cycle
Reproduction
Spawning

**Reproductive fertilization**
USE: Biological fertilization

**Reproductive isolation**
USE: Sexual isolation

**Reproductive organs (animal)**
USE: Animal reproductive organs

**Reproductive structures (plant)**
USE: Plant reproductive structures

**Reproductive system**
USE: Animal reproductive organs

**Reptile culture**
UF: Alligator culture
Crocodile farming
BT: Cultures
NT: Turtle culture
RT: Aquatic reptiles

**Research**
UF: Research and development
Scientific research
NT: Experimental research
RT: Research institutions
Research programmes
Research proposals
Research (experimental)
USE: Experimental research

**Research and development**
USE: Research

**Research institutions**
UF: Institutions (research)
BT: Organizations
NT: Biological institutions
Fishery institutions
Geological institutions
Limnological institutions
Oceanographic institutions
RT: Education establishments
Laboratories
Research
Research programmes

**Research programmes**
BT: Programmes
RT: Cruise programmes
Fellowships
Grants
Research
Research institutions
Research proposals

**Research proposals**
SN: Before 1982 search
PROPOSED RESEARCH
UF: Proposed research
RT: Research
Research programmes

**Research ships**
USE: Research vessels

**Research vessels**
SN: Vessels used for oceanographic and limnological exploration
UF: Research ships
RT: Cruise programmes
Hydrographic surveying
Hydrographic surveys
Multiship expeditions
Surface craft
Survey vessels
Weather ships

**Research workers**
USE: Scientific personnel

**Researchers**
USE: Scientific personnel

**Reserves**
USE: Potential resources

**Reservoir dynamics**
USE: Lake dynamics

**Reservoir fisheries**
BT: Inland fisheries
RT: Lake fisheries
Water reservoirs

**Reservoirs (oil)**
USE: Oil reservoirs

**Reservoirs (water)**
USE: Water reservoirs

**Residence time**
RT: Age
Flushing time
Renewal

**Residual circulation**
USE: Residual flow

**Residual currents**
USE: Residual flow

**Residual flow**
UF: Residual circulation
Residual currents
RT: Fluid motion
Unidirectional flow
Water currents

**Resilience (ecosystem)**
USE: Ecosystem resilience

**Resistance (biological)**
USE: Biological resistance

**Resistance mechanisms**
RT: Biological resistance
Defence mechanisms

**Resistance to chemicals**
USE: Control resistance

**Resistance to disease**
USE: Disease resistance

**Resistance to drugs**
USE: Drug resistance

**Resistance to parasites**
USE: Parasite resistance

**Resistivity (electrical)**
USE: Electrical resistivity

**Resolution**
UF: Instrument resolutions
Resolving power
RT: Accuracy
Errors
Resolving power
USE: Resolution

Resonance
NT: Roll resonance
Tidal resonance
RT: Oscillations
Resonant frequency
Vibration

Resonant frequency
UF: Natural frequency
BT: Frequency
RT: Resonance
Vibration

Resonant wave interaction
BT: Wave interactions
RT: Internal waves
Wave-wave interaction

Resource availability
BT: Availability
RT: Development potential
Exploitation
Population density
Population number
Quantitative distribution
Resource surveys
Resources

Resource conservation
BT: Conservation
RT: Environment management
Fuel economy
Natural resources
Protected resources
Rare resources
Resource management

Resource depletion
BT: Depletion
RT: Resource management
Resources

Resource development
SN: Economic development of living and non-living aquatic resources
UF: Development (resources)
NT: Aquaculture development
Fishery development
RT: Development potential
Development projects
Exploitation
Potential resources
Resource management

Resource exploitation
USE: Exploitation

Resource exploration
BT: Exploration
NT: Mineral exploration
Oil and gas exploration
RT: Resource surveys
Resources

Resource management
BT: Management
NT: Fishery management
Water management
RT: Environment management
Natural resources
Resource conservation
Resource depletion
Resource development

Resource surveys
BT: Surveys
RT: Resource availability
Resource exploration

Resources
SN: Before 1982 search
NATURAL RESOURCES
UF: Economic resources
Means
Potentialities
NT: Financial resources
Human resources
Institutional resources
Natural resources
Potential resources
Protected resources
Rare resources
RT: Resource availability
Resource depletion
Resource exploration

Respiration
UF: Respiration rate
Respiratory quotients
NT: Aerobic respiration
Anaerobic respiration
RT: Metabolism
Oxygen demand
Respiratory organs
Respiratory pigments
Respiratory system
Stomata
Transpiration

Respiration rate
USE: Respiration

Respiratory organs
UF: Accessory respiratory organs
BT: Animal organs
NT: Gills
Lungs
Trachea
RT: Respiration
Respiratory pigments
Respiratory system

Respiratory pigments
UF: Respiratory proteins
BT: Pigments
NT: Haemocyanins
Haemoglobins
RT: Respiration
Respiratory organs
Respiratory proteins
USE: Respiratory pigments

Respiratory quotients
USE: Respiration

Respiratory system
BT: Anatomical structures
RT: Respiration
Respiratory organs

Respirometers
BT: Measuring devices
RT: Aerobic respiration
Oxygen consumption

Response (oceanic)
USE: Oceanic response

Response analysis
BT: Analysis
RT: Response time
Tidal analysis

Response time
RT: Atmospheric forcing
Oceanic response
Response analysis
Salinity

Responsible fisheries
USE: Sustainable fishing

Resting eggs
UF: Winter eggs
BT: Eggs
RT: Resting stages

Resting spores
BT: Spores
RT: Resting stages

Resting stages
RT: Developmental stages
Dormancy
Environmental effects
Resting eggs
Resting spores
Sleep

Restocking
USE: Stocking (organisms)

Restoration
RT: Deterioration
Maintenance and repair

Resuspended sediments
UF: Sediments in suspension
Suspended sediments
BT: Sediments
Suspended particulate matter
RT: Particle motion
Resuspension
Sediment traps
Suspended load

Resuspension
BT: Suspension
RT: Resuspended sediments
Suspended load
Retinas
UF: Blind spot
Fovea
BT: Eyes
RT: Visual pigments

Retrogradation
RT: Coastal erosion
Coastal morphology
Coasts
Eustatic changes
Landslides
Progradation
Submerged shorelines
Submergence
Transgressions

Reverberation
UF: Sound reverberation
BT: Underwater noise
NT: Bottom reverberation
RT: Backscatter
Reflection
Sound scattering

Reverse osmosis
BT: Osmosis
RT: Desalination
Wastewater treatment

Reversing thermometers
USE: Thermometers

Review articles
USE: Literature reviews

Reviews (literature)
USE: Literature reviews

Reynolds number
RT: Dimensionless numbers
Drag coefficient
Froude number
Laminar flow
Prandtl number
Turbulent flow

Reynolds stresses
UF: Eddy stresses
Turbulent shear stresses
BT: Stress (mechanics)
RT: Bottom stress
Eddy viscosity
Momentum transfer
Navier-Stokes equations
Shear stress
Turbulence
Turbulent boundary layer
Turbulent flow
Wind stress

Rhenium
BT: Heavy metals
RT: Rhenium isotopes

Rhenium isotopes
BT: Isotopes
RT: Rhenium

Rheology
BT: Mechanics
RT: Deformation
Non-Newtonian fluids
Plastic flow
Viscosity

Rheotaxis
BT: Taxis
RT: Water currents

Rheotropism
BT: Tropism
RT: Water currents

Rhizomes
BT: Plant organs
RT: Plant reproductive structures
Roots
Stems
Stomata
Vegetative reproduction

Rhodamine B-dye
SN: Synthetic red or pink substance
used as tracer in study of water
currents, turbulence
BT: Dyes
RT: Lagrangian current
measurement

Rhodium
BT: Heavy metals

Rhodopsin
USE: Visual pigments

Rhyolites
BT: Volcanic rocks

Rhythms
USE: Cycles

Rhythms (biological)
USE: Biological rhythms

Ria coasts
USE: Submerged shorelines

Rias
USE: Drowned valleys

Riboflavin
USE: Vitamin B

Ribonucleic acid
USE: RNA

Ribose
BT: Monosaccharides
RT: Aldehydes
Vitamin B

Ribosomes
UF: Microsomes
RT: Cytoplasm
Protein synthesis
Proteins
RNA

Rice field aquaculture
SN: Before 1982 search
AGROPISCICULTURE
UF: Rice-cum-fish culture
Rice-fish culture
Rizipisciculture
BT: Agropisciculture
RT: Aquaculture techniques
Crayfish culture
Fish culture
Freshwater aquaculture
Rice fields

Rice fields
UF: Paddy fields
RT: Rice field aquaculture

Rice-cum-fish culture
USE: Rice field aquaculture

Rice-fish culture
USE: Rice field aquaculture

Richardson number
RT: Instability
Shear flow
Vertical shear

Ridges
BT: Landforms
NT: Continental ridges
Submarine ridges

Rift systems
USE: Rift zones

Rift valleys
BT: Valleys
NT: Median valleys
RT: Fault zones
Faults
Graben
Rift zones
Rifting

Rift zones
SN: Previously indexed as RIFTS
UF: Rift systems
Rifts
RT: Diverging plate boundaries
Fault zones
Plate divergence
Rift valleys
Rifting

Rifting
UF: Taphrogeny
RT: Fault zones
Orogeny
Plate divergence
Rift valleys
Rift zones
Seafloor spreading
Tectonics

Rifts
USE: Rift zones
Rigging
RT: Deck equipment
Sailing ships

Righting
BT: Ship motion
RT: Capsizing
Ship stability

Rights
SN: Use of a more specific term is recommended
NT: Exclusive rights
Exploration rights
Fishing rights
Property rights
Riparian rights
Water rights
RT: Jurisdiction
Legal aspects
Legislation

Rigidity
USE: Flexibility

Rigidity modulus
USE: Shear modulus

Rigs
USE: Drilling rigs

Rip channels
BT: Beach features
Channels
RT: Rip currents

Rip currents
BT: Nearshore currents
RT: Beach cusps
Coasts
Edge waves
Longshore currents
Rip channels
Surf zone
Undertow
Wave-current interaction
Wind-driven currents

Riparian buffers
SN: Areas that are managed to protect the aquatic and riparian ecosystem. A riparian buffer protects water quality and temperature, habitat along the banks, upland habitat for aquatic and riparian species, and some or all of the floodplain.
RT: Riparian environments
Riparian vegetation
Riparian zone

Riparian environments
RT: Coasts
Lake shores
Riparian buffers
Riparian zone
River banks
Riparian plants
USE: Riparian vegetation

Riparian rights
SN: Belonging to a person who owns land bordering a body of water
BT: Rights
RT: Irrigation water
Property rights
Recreational waters
Riparian zone
Water rights

Riparian vegetation
UF: Riparian plants
BT: Flora
RT: Riparian buffers

Riparian zone
RT: Coastal zone
Riparian buffers
Riparian environments
Riparian rights

Ripple marks
BT: Bedding structures
RT: Sand ripples
Transverse bed forms

Ripples (sand)
USE: Sand ripples

Ripples (water)
USE: Water ripples

Riprap
BT: Breakwaters

Rise (continental)
USE: Continental rise

Rise (oceanic)
USE: Mid-ocean ridges

Riser cables
BT: Cables
RT: Catenary
Electric cables

Riser pipes
UF: Marine risers
BT: Pipes
RT: Flowlines

Risk management
SN: The process of evaluating and selecting regulatory and non-regulatory responses to risk, taking into consideration legal, economic, and behavioural factor.
BT: Management
RT: Risks

Risks
SN: Includes risk analysis
RT: Feasibility
Hazards
Insurance
Reliability
Risk management

River banks
BT: Banks (topography)
RT: Fluvial morphology
Leves
Riparian environments
River beds
Rivers

River basin management
BT: Ecosystem management
RT: Flood control
River basins
Water management

River basins
UF: Drainage basins
BT: Basins
RT: Catchment area
Fluvial features
Lake basins
River basin management
River valleys
Rivers
Watersheds

River beds
RT: Bed load
Bed roughness
Bottom friction
Fluvial morphology
River banks
Rivers

River culture
USE: Raceway culture

River currents
USE: Stream flow

River discharge
SN: Flow from rivers into lakes and seas, contribution to water budget of seas and lakes, influence on environment and organisms
UF: River discharge effects
River inflow
BT: Inflow
RT: Fluvial transport
River outflow
River plumes
Rivers
Stream flow
Water budget

River discharge effects
USE: River discharge

River engineering
BT: Engineering
RT: Coastal engineering
Fluvial morphology
Rivers
Stream flow
Structural engineering
River fisheries
UF: Stream fisheries
BT: Inland fisheries
RT: Artisanal fishing
Crustacean fisheries
Estuarine fisheries
Rivers
Salmon fisheries

River flow
USE: Stream flow

River inflow
USE: River discharge

River meanders
SN: Before 1986 use MEANDERS (RIVERS)
UF: Meanders (rivers)
RT: Flood plains
Fluvial features
Fluvial morphology
Meandering
Oxbow lakes
Rivers

River morphology
USE: Fluvial morphology

River outflow
SN: Outflow of water from lakes and other inland water bodies
BT: Outflow
RT: River discharge
Rivers

River plumes
SN: Plumes mainly caused by suspended material from river discharge into lakes, estuaries or marine coastal areas
BT: Plumes
RT: Estuarine front
River discharge
Salt-wedge estuaries
Sediment transport
Suspended particulate matter
Thermal decomposition
Turbidity
Water mixing

River valleys
UF: Stream valleys
BT: Valleys
RT: Alluvial terraces
Flood plains
Fluvial features
Fluvial morphology
River basins
Rivers
Thalweg

River water
BT: Water
RT: Rivers

Rivers
UF: Streams
BT: Inland waters
NT: Distributaries
Tributaries
RT: Channels
Deltas
Flood plains
Fluvial features
Fluvial morphology
Fluvial sedimentation
Fluvial transport
Lotic environment
Oxbow lakes
River banks
River basins
River beds
River discharge
River engineering
River fisheries
River meanders
River outflow
River valleys
River water
Stream flow
Stream flow rate
Water resources

Rizipisciculture
USE: Rice field aquaculture

RM
USE: Redmouth disease

RNA
SN: Before 1982 search
RIBONUCLEIC ACID
UF: Ribonucleic acid
BT: Nucleic acids
RT: Polymerization
Ribosomes

Road bridges
USE: Bridges

Roadsteads
USE: Anchorages

Robots
BT: Electronic equipment
RT: Automation
Computers
Manipulators
Remote control

Rock deformation
BT: Deformation
NT: Diapirism
RT: Faults
Folds
Rock mechanics
Rocks

Rock density
USE: Sediment density

Rock falls
USE: Debris flow

Rock magnetism
USE: Remanent magnetization

Rock mechanics
UF: Rock shear
Rock stress
BT: Mechanics
RT: Elasticity
Rock deformation
Rocks
Soil mechanics

Rock pools
USE: Tidal pools

Rock properties
USE: Sediment properties

Rock samples
USE: Sediment samples

Rock sampling
USE: Sediment sampling

Rock shear
USE: Rock mechanics

Rock stress
USE: Rock mechanics

Rockfish fisheries
USE: Redfish fisheries

Rocklobster fisheries
USE: Lobster fisheries

Rocks
NT: Anisotropic rocks
Carbonate rocks
Igneous rocks
Metamorphic rocks
Phosphate rocks
Sedimentary rocks
Siliceous rocks
RT: Basement rock
Lithogenesis
Outcrops
Petrogenesis
Petrology
Rock deformation
Rock mechanics
Rocky shores

Rocky reefs
USE: Reefs

Rocky shores
BT: Coastal landforms
RT: Coasts
Rocks

Roe fisheries
BT: Fisheries
RT: Roes
Roes
SN: Gonads of fish or invertebrates marketed in various ways and usually referred to by individual species, e.g. cod roe, salmon roe, etc.
UF: Fish roe
Hard roe
Invertebrate roe
Milt
Soft roe
BT: Processed fishery products
NT: Caviar
RT: Roe fisheries

Roll resonance
BT: Resonance
RT: Buoy motion effects
Rolling

Roll response
BT: Dynamic response
RT: Buoy motion effects
Rolling

Rollers
BT: Swell
RT: Breakers
Shoaling waves

Rolling
BT: Ship motion
RT: Buoy motion effects
Roll resonance
Roll response
Yawing

Root systems
USE: Roots

Roots
UF: Root systems
BT: Plant organs
RT: Rhizomes

Rope
USE: Ropes

Ropes
UF: Rope
NT: Fibre rope (natural)
Fibre rope (synthetic)
Wire rope
RT: Cables
Chain
Mooring lines
Nets
Towing lines

Rossby number
RT: Coriolis force
Dimensionless numbers
Inertia
Ratios
Rossby parameter
Rossby parameter
BT: Parameters

RT: Baroclinic instability
Beta-plane
Coriolis parameters
Planetary waves
Rossby number
Rossby waves
USE: Planetary waves

Rotary currents
BT: Tidal currents
RT: Coriolis force
Current ellipses

Rotating fluids
BT: Fluids
RT: Fluid motion
Vortices

Rotation
BT: Motion
NT: Earth rotation
RT: Anticyclonic motion
Cyclonic motion
Plate motion
Plate tectonics
Polar wandering
Vorticity

Rotenone
RT: Toxicants

Rough fish
USE: Trash fish

Roughness
SN: Use of a more specific term is recommended
BT: Surface properties
NT: Bed roughness
Surface roughness
RT: Friction

ROVs
USE: Unmanned vehicles

Row boats
SN: Before 1982 search BOATS
BT: Boats

Rubber
SN: Rubber as a material used in the aquatic environment. For rubber cements or adhesives use ADHESIVES
BT: Materials
Rubber (adhesives)
USE: Adhesives

Rubbish
USE: Litter

Rubbblemound breakwaters
BT: Breakwaters

Rubidium
BT: Alkali metals
RT: Rubidium isotopes

Rubidium isotopes
BT: Isotopes
RT: Rubidium
Rubidium-strontium dating

Rubidium-strontium dating
BT: Radiometric dating
RT: Rubidium isotopes
Strontium isotopes

Rudites
RT: Boulder clay
Boulders
Breccia
Cobblestone
Pebbles

Runnels
BT: Beach features
RT: Beaches
Channels

Running water culture
USE: Raceway culture

Runoff
SN: Water derived from atmospheric precipitation which reaches streams and rivers. The term must not be confused in this thesaurus with RIVER DISCHARGE
BT: Drainage water
NT: Agricultural runoff
Stormwater runoff
Urban runoff
RT: Catchment area
Rainfall
Waste water
Watersheds

Runoff from agricultural land
USE: Agricultural runoff

Rural development
UF: Development (rural)
RT: Urbanization

Rust
USE: Corrosion

Ruthenium
BT: Heavy metals
RT: Ruthenium isotopes

Ruthenium isotopes
BT: Isotopes
RT: Ruthenium

Rutile
BT: Oxide minerals
RT: Heavy minerals
Placers
Titanium
Sabkhas
UF: Salt flats
NT: Playas
RT: Arid environments
  Coastal lagoons
  Deserts
  Eolian deposits
  Evaporities
  Salt deposits
  Supralittoral zone

Saccharides
UF: Sugars
BT: Carbohydrates
NT: Monosaccharides
  Polysaccharides

Sacrificial anodes
BT: Anodes
RT: Cathodic protection

Safety
USE: Health and safety

Safety devices
UF: Deck safety equipment
  Safety equipment
BT: Equipment
RT: Accident prevention
  Alarm systems
  Breathing apparatus
  Deck equipment
  Fire extinguishers
  Health and safety
  Life saving equipment
  Lifeboats
  Protective clothing
  Safety regulations
  Warning systems

Safety equipment
USE: Safety devices

Safety regulations
BT: Legislation
NT: Diving regulations
RT: Accident prevention
  Evacuation
  Fire prevention
  Health and safety
  Quarantine regulations
  Radiation protection
  Safety devices

Sailing
USE: Boating

Sailing ships
BT: Ships
NT: Yachts
RT: Rigging
  Sails

Sails
BT: Propulsion systems
RT: Sailing ships

Saline fronts
BT: Fronts

Saline intrusion
RT: Ground water
  Saline water
  Salt wedges
  Salt-wedge estuaries
  Water mass intrusions

Saline water
SN: Water with high salt concentration in inland water bodies
UF: Salt water
BT: Water
RT: Brines
  Desalination
  Saline intrusion
  Salt lakes
  Salt marshes
  Sea water
  Water properties

Salinity
BT: Chemical properties
NT: Chlorinity
  Chlorosity
  Palaeosalinity
  Surface salinity
RT: Abiotic factors
  Cabbeling
  Conservative properties
  Desalination
  Dissolved salts
  Haloline
  Hydroclimate
  In situ density
  Isohalines
  Potential density
  Refractive index
  Response time
  Salinity charts
  Salinity data
  Salinity effects
  Salinity gradients
  Salinity maximum layer
  Salinity measurement
  Salinity power
  Salinity profiles
  Salinity sections
  Salinity scales
  Salinity sections
  Salinity tolerance
  Salt flux
  Sea water
  Sigma-T
  T/S diagrams
  Water density
  Water types

Salinity charts
BT: Hydrographic charts
RT: Isohalines
  Salinity

Salinity data
BT: Hydrographic data
RT: Oceanographic data
  Salinity
  Salinity charts
  Salinity tables

Salinity effects
BT: Environmental effects
RT: Salinity
  Salinity tolerance

Salinity gradient energy conversion
USE: Salinity power

Salinity gradients
BT: Gradients
RT: Double diffusion
  Salinity
  Salinity power
  Salinity profiles
  Salinity sections

Salinity maximum layer
BT: Core layers (water)
RT: Salinity
  Salinity minimum layer
  Salinity profiles
  Salinity sections

Salinity measurement
BT: Measurement
RT: Refractive index
  Salinity
  Salinity measuring equipment
  Salinity tables
  Standard sea water
  Titration
  Water analysis

Salinity measuring equipment
BT: Measuring devices
NT: Salinometers
RT: Conductivity sensors
  CTD profilers
  Salinity
  Salinity measurement
  STD profilers

Salinity microstructure
SN: Variations in the distribution of salinity on a scale of 10 cm or less
BT: Microstructure
RT: Salinity

Salinity minimum layer
BT: Core layers (water)
RT: Salinity
  Salinity maximum layer
  Salinity profiles
  Salinity sections
Salinity power
SN: Power derived from the osmotic pressure difference between two bodies of water of differing salinities
UF: Salinity gradient energy conversion
BT: Power from the sea
RT: Osmotic pressure
Salinity
Salinity gradients
Salinity power

Salinity profiles
BT: Vertical profiles
RT: CTD profilers
Salinity
Salinity gradients
Salinity maximum layer
Salinity minimum layer
Salinity sections
STD profilers

Salinity scales
NT: Practical salinity scale
RT: Salinity

Salinity sections
BT: Hydrographic sections
RT: Isohalines
Salinity
Salinity charts
Salinity maximum layer
Salinity minimum layer
Salinity profiles
Salinity stratification
Vertical distribution

Salinity stratification
UF: Stratification (salinity)
BT: Stratification
RT: Density stratification
Halocline
Salinity sections
Salt-wedge estuaries

Salinity tables
BT: Oceanographic tables
RT: Salinity charts
Salinity data
Salinity measurement

Salinity temperature depth profiles
USE: STD profiles

Salinity tolerance
BT: Tolerance
RT: Amphihaline species
Estuarine organisms
Euryhalinity
Indicator species
Osmoregulation
Salinity
Salinity effects
Stenohalinity

Salinity-temperature-depth observations
USE: STD observations

Salinity-temperature-depth profilers
USE: STD profilers

Salinity-temperature-depth profiles
USE: STD profiles

Salinization
SN: The accumulation of soluble salts at the surface or at some point below the surface of the soil profile to levels that have negative effects on plant growth and/or on soils.

Salinometers
BT: Salinity measuring equipment

Salmon fisheries
UF: Trout fisheries
BT: Finfish fisheries
RT: Lake fisheries
River fisheries

Salmon nests
USE: Redds

Salt advection
UF: Salt transport
BT: Advection
RT: Conservation of salt
Salt budget

Salt budget
RT: Conservation of salt
Dissolved salts
Salt advection
Salt flux
Water budget

Salt deposits
RT: Evaporites
Playas
Sabkhas
Salt lakes
Sediments
Subsurface deposits

Salt domes
BT: Structural domes
RT: Anticlines
Cap rocks
Diapirism
Diapirs
Domes

Salt finger convection
USE: Double diffusion

Salt fingering
USE: Double diffusion

Salt fingers
RT: Dissolved salts
Double diffusion
Interface phenomena
Microstructure
Salinity gradients
Transport processes

Salt flats
USE: Sabkhas

Salt flux
RT: Dissolved salts
Salinity
Salt budget

Salt lakes
BT: Lakes
RT: Dissolved salts
Playas
Saline water
Salt deposits

Salt marshes
BT: Marshes
RT: Progradation
Saline water
Tidal flats

Salt nuclei
UF: Sea salt nuclei
BT: Salt particles

Salt particles
BT: Atmospheric particulates
NT: Salt nuclei

Salt spray
USE: Spray

Salt transport
USE: Salt advection

Salt water
USE: Saline water

Salt water wedges
USE: Salt wedges

Salt waters
UF: Salt water wedges
RT: Estuarine dynamics
Saline intrusion
Salt-wedge estuaries

Saltation
RT: Bed load
Particle motion
Sediment transport
Suspension

Salting
USE: Curing

Salts
UF: Mineral salts
NT: Carboxylic acid salts
Dissolved salts
RT: Carbonates
Chemical compounds
Conservation of salt
Cyanides
Desalination
Halogen compounds
Mineral resources
Nitrates
Nitrites
Phosphates

Salts extraction
USE: Demineralization

Saltwater shrimp culture
USE: Shrimp culture

Salt-wedge estuaries
BT: Estuaries
RT: Halocline
River plumes
Saline intrusion
Salinity stratification
Salt wedges
Turbulent entrainment

Salvage
USE: Salvaging
Salvage equipment
BT: Equipment
RT: Lifting tackle
Salvaging
Water pumps

Salvaging
SN: Before 1986 search also SALVAGE
UF: Recovery of wrecks
Salvage
Wreck recovery
RT: Locating
Removal
Salvage equipment
Search and rescue
Wrecks

Samarium
BT: Lanthanides
RT: Samarium isotopes
Samarium isotopes
BT: Isotopes
RT: Samarium

Sample contamination
UF: Contamination of samples
RT: Sample storage
Samples
Sampling

Sample storage
BT: Storage
RT: Core handling
Sample contamination
Samples
Sampling

Samplers
UF: Sampling devices
NT: Sediment samplers
Water samplers
RT: Collecting devices
Oceanographic equipment
Sampling

Samples
NT: Geological samples
Water samples
RT: Sample contamination
Sample storage
Sampling

Sampling
SN: Use of a more specific term is recommended
UF: Sampling methods
Sampling techniques
NT: Air sampling
Biological sampling
Seafloor sampling
Sediment sampling
Statistical sampling
Water sampling
RT: Census
Sample contamination
Sample storage
Samplers
Samples
Surveying
Sampling (biological)
USE: Biological sampling

Sampling (statistical)
USE: Statistical sampling
Sampling devices
USE: Samplers
Sampling methods
USE: Sampling

Sanctuaries
SN: Areas reserved for the protection of particular species of animals during part or all of the year
RT: Freshwater parks
Marine parks
Nature conservation
Refuges

Sand
BT: Clastics
RT: Aggregates
Arenites
Beaches
Berms
Dunes
Epipsammon
Gravel
Meiobenthos
Psammon
Sand bars
Sand patches
Sand ribbons
Sandstone
Sediment load
Sediment texture
Silicates

Silt
Soils

Sand banks
BT: Banks (topography)
Bed forms
RT: Mud banks
Shoals
Submarine banks

Sand bars
BT: Bed forms
RT: Nearshore bars
Sand
Shoals
Sand dunes (subaerial)
USE: Dunes

Sand patches
BT: Bed forms
RT: Sand
Transverse bed forms
Sand pits
USE: Pits

Sand ribbons
BT: Bed forms
RT: Sand

Sand ripples
UF: Ripples (sand)
Wave sand ripples
BT: Bed forms
RT: Beach features
Ripple marks
Transverse bed forms

Sand structures
BT: Artificial islands
Sand transport
USE: Sediment transport
Sand traps
USE: Sediment traps

Sand waves
UF: Megaripples
Waves (sand)
BT: Bed forms
RT: Dunes
Transverse bed forms
Wave slope

Sandstone
BT: Clastics
Sedimentary rocks
NT: Oil sands
RT: Arenites
Eolian deposits
Graywacke
Sand
Siliceous rocks
Sandy beaches
USE: Beaches

Sanitary engineering
BT: Engineering
RT: Hygiene
Sewage disposal
Sewage ponds
Sewage treatment
Sludge treatment
Waste disposal
Waste treatment
Waste water
Wastewater treatment
Water filtration
Water pollution treatment
Water purification

Saponins
BT: Glycosides

Saponite
BT: Clay minerals

Saprobiotica
SN: Organisms feeding on decaying organic matters
UF: Saprophagic organisms
Saprophyses
Saprozoic organisms
Saprozoites

Sapropelite
USE: Sapropels

Sapropels
SN: Black or brown sediments made up of organic debris.
Before 1982 search SAPROPEL
UF: Sapropelite
BT: Organic sediments
RT: Anoxic sediments
Detritus
Hydrocarbons
Oozes
Peat
Stagnant water
Suspended organic matter

Saprophagy
USE: Saprobions

Saprophytes
USE: Saprobions

Saproplankton
SN: Plankton found on the surface of stagnant water, developing on decaying organic matter
BT: Zooplankton

Saprozoic organisms
USE: Saprobions

Saprozoites
USE: Saprobions

Satcom
USE: Communication systems

Satellites
USE: Satellites

Satellite communications
USE: Satellite sensing

Satellite navigation
USE: Satellite navigation

Satellite photography
USE: Satellite photography

Satellite sensing
USE: Satellite sensing

Saturates
USE: Saturates

Saturated hydrocarbons
USE: Saturated hydrocarbons

Saturated vapours
USE: Saturated vapours

Saturated solutions
USE: Saturated solutions
Scad fisheries
USE: Carangid fisheries

Scale formation
USE: Scaling

Scale models
UF: Laboratory models
Physical models
BT: Models
NT: Hydraulic models
Ship models
RT: Audiovisual materials
Mathematical models

Scale reading
BT: Age determination
RT: Scales

Scales
UF: Dermal denticles
Fish scales
BT: Exoskeleton
RT: Integumentary system
Scale reading

Scaling
SN: Lime or other scale formation on structures and equipment
UF: Scale formation
NT: Liming
RT: Fouling

Scallop culture
SN: Before 1982 search
MOLLUSC CULTURE
BT: Mollusc culture

Scallop fisheries
UF: Pecten fisheries
BT: Mollusc fisheries
RT: Coastal fisheries

Scandium
BT: Nonmetals
Transition elements
RT: Scandium isotopes

Scandium isotopes
BT: Isotopes
RT: Scandium

Scanning electron microscopy
USE: Electron microscopy

Scars
USE: Lesions

Scatter diagrams
BT: Statistical tables
RT: Regression analysis

Scatterance meters
BT: Light measuring instruments
RT: Scattering coefficient
Volume scattering function

Scattering (light)
USE: Light scattering

Scattering (sound)
USE: Sound scattering

Scattering (water waves)
USE: Wave scattering

Scattering coefficient
UF: Total scattering coefficient
BT: Optical properties
RT: Light scattering
Scatterance meters

Scattering layers
UF: Deep scattering layers
Sound scattering layers
BT: Discontinuity layers
RT: Echosounding

Scattering loss
USE: Transmission loss

Scatterometers
BT: Measuring devices
RT: Backscatter
Microwaves
Radar imagery
Remote sensing equipment
Synthetic aperture radar

Scavengers
SN: Animals feeding on dead animal material
BT: Heterotrophic organisms

Schistosomiasis
BT: Parasitic diseases

Schists
BT: Metamorphic rocks
NT: Greenschists

Scholarships
USE: Fellowships

Schooling behaviour
SN: Swarming, herding and flocking of any aquatic population
BT: Social behaviour
RT: Feeding behaviour
Protective behaviour

Schools
USE: Education establishments

Scientific logbooks
USE: Logbooks

Scientific personnel
SN: Before 1986 search also SCIENTISTS
UF: Research workers
Researchers
Scientific research workers
Scientific researchers
Scientists
BT: Personnel
NT: Biologists
Ecologists
Freshwater scientists
Geologists
Information scientists
Marine scientists
Meteorologists
Statisticians
Veterinarians
RT: Consultants
Experts
Technicians

Scientific research
USE: Research

Scientific research workers
USE: Scientific personnel

Scientific researchers
USE: Scientific personnel

Scientific satellites
UF: Meteorological satellites
Oceanographic satellites
BT: Satellites
RT: Geosensing

Scientists
USE: Scientific personnel

Scooping gear
USE: Lift-nets

Scorpiofish fisheries
USE: Redfish fisheries

Scottish seines
USE: Boat seines

Scour and fill
BT: Sedimentary structures
RT: Current scouring
Scouring

Scour hollows
BT: Bed forms
RT: Current scouring

Scour marks
BT: Current marks
RT: Current scouring

Scour protection
BT: Protection
RT: Artificial seaweed
Pipeline protection
Scouring
Scouring
SN: Use of a more specific term is recommended
BT: Erosion
NT: Current scouring
Wave scouring
RT: Bottom currents
Deterioration
Failures
Scour and fill
Scour protection
Wind abrasion

SCP
USE: Single cell proteins

Screening
RT: Filtration
Screens

Screens
UF: Fish screens
RT: Aquaculture equipment
Fishways
Screening

Scuba diving
SN: Before 1982 search DIVING
UF: Skin diving
BT: Diving
RT: Breathing apparatus
Breathing mixtures

Sea bass culture
USE: Fish culture

Sea bass fisheries
USE: Marine fisheries

Sea bed
USE: Ocean floor

Sea blooms
USE: Algal blooms

Sea breezes
SN: Blowing from sea to land.
Before 1995 search also LAND AND SEA BREEZES
UF: Lake breezes
BT: Breezes
RT: Land breezes
Monsoons

Sea caves
USE: Caves

Sea clutter
USE: Surface clutter

Sea coast
USE: Coasts

Sea cucumber fisheries
USE: Echinoderm fisheries

Sea fans
USE: Deep-sea fans

Sea farming
USE: Marine aquaculture

Sea fisheries
USE: Marine fisheries

Sea floor
USE: Ocean floor

Sea floor topography
USE: Bottom topography

Sea fog
USE: Fog

Sea grass
SN: Species of embryophytes living in marine coastal waters
UF: Seagrass
BT: Marine plants
Seaweeds
NT: Artificial sea grass

Sea ice
BT: Ice
RT: Brines
Fast ice
Floating ice
Ice breaking
Ice fields
Ice rafting
Ocean-ice-atmosphere system
Sea water

Sea law
USE: Law of the sea

Sea level
SN: Height or level of the sea surface
UF: Half tide level
Sea level data
Still water level
BT: Water levels
NT: Isostatic sea level
Mean sea level
Steric sea level
RT: Datum levels
Hypsometry
Polders
Quaternary
Sea level changes
Sea level pressure
Sea level measurement
Southern oscillation
Surface slope
Surface topography
Tides

Sea level changes
SN: Before 1995 search also SEA LEVEL VARIATIONS
UF: Sea level variations
BT: Long-term changes
NT: Eustatic changes
RT: Climatic changes

Sea level data
USE: Sea level

Sea level measurement
SN: Before 1984 search also SEA LEVEL MEASURING
BT: Water level measurement
RT: Bench marks
Satellite altimetry
Sea level
Sea level changes
Surface topography

Sea level pressure
BT: Atmospheric pressure
RT: High pressure systems
Sea level
Southern oscillation
Weather
Winds

Sea level records
USE: Sea level

Sea level slope
USE: Surface slope

Sea level variations
USE: Sea level changes

Sea mist
USE: Fog

Sea salt nuclei
USE: Salt nuclei

Sea sickness
UF: Motion sickness
BT: Human diseases
RT: Ship motion

Sea smoke
USE: Fog

Sea snail fisheries
USE: Gastropod fisheries

Sea spray
USE: Spray

Sea state
RT: Environmental conditions
Sea state scales
Surface water waves
Wave climate
Wave predicting
Weather
Sea state scales
UF: Douglas scale
RT: Beaufort scale
Sea state
Surface water waves

Sea states (countries)
USE: Coastal states

Sea surface
BT: Surfaces
RT: Air-sea interaction
Air-water interface
Surface chemistry
Surface films
Surface microlayer
Surface properties
Surface radiation temperature
Surface salinity
Surface slope
Surface temperature
Surface topography
Surface water waves

Sea surface clutter
USE: Surface clutter

Sea surface salinity
USE: Surface salinity

Sea surface slope
USE: Surface slope

Sea surface temperature
USE: Surface temperature

Sea surface topography
USE: Surface topography

Sea urchin fisheries
USE: Echinoderm fisheries

Sea walls
BT: Coast defences
RT: Breakwaters
Ice loads
Wave runup

Sea water
UF: Marine water
Ocean water
Seawater
BT: Water
NT: Dense water
Fossil sea water
Standard sea water
RT: Artificial seawater
Desalination
Marine environment
Relative density
Saline water
Salinity
Sea ice
Seawater evolution

Sea water conversion
USE: Desalination

Seabed
USE: Ocean floor

Seabed acoustic position fixing
USE: Navigation underwater

Seabed conventions
UF: Seabed treaties
BT: International agreements
RT: Law of the sea
Ocean policy
Undersea warfare

Seabed deposits
BT: Mineral deposits
NT: Aggregates
Ferromanganese nodules
Phosphorite nodules
Placers
RT: Deep-sea mining
Metalliferous sediments
Nodules
Nonrenewable resources
Sulphide deposits

Seabed drifters
BT: Subsurface drifters
RT: Bottom currents

Seabed engineering
USE: Offshore engineering

Seabed farming
USE: Bottom culture

Seabed foundations
USE: Foundations

Seabed habitats
USE: Underwater habitats

Seabed photographs
USE: Bottom photographs

Seabed protection
BT: Protection
RT: Artificial seaweed

Seabed samplers
USE: Sediment samplers

Seabed sampling
USE: Seafloor sampling

Seabed treaties
USE: Seabed conventions

Seabed vehicles
UF: Bottom crawlers
Crawlers
BT: Unmanned vehicles
RT: Self-propelled vehicles
Tethered vehicles

Seabight
USE: Submarine features

Seabream fisheries
USE: Percoid fisheries

Seachannels
BT: Bed forms
Channels
NT: Deep-sea channels
RT: Abyssal plains
Bottom erosion
Deep-sea fans
Levees
Microtopography

Seacoast
USE: Coasts

Seafloor mapping
BT: Mapping
RT: Bathymetry
Echosounding
Geological surveys
Ocean floor
Sediment sampling
Sonographs
Swaths
Underwater exploration

Seafloor sampling
UF: Bottom sampling
Seabed sampling
BT: Sampling
RT: Benthos collecting devices
Dredges (geology)
Drilling
Geological surveys
Ocean floor
Penetrometers
Sediment sampling
Surveying underwater

Seafloor spreading
UF: Spreading rate
RT: Continental drift
Fracture zones
Magnetic anomalies
Mantle convection
Median valleys
Mid-ocean ridges
Moho
Ocean floor
Palaeomagnetism
Plate tectonics
Rifting
Spreading centres

Seafood
BT: Human food
RT: Processed fishery products
Shellfish

Seafood products
USE: Fishery products

Seagrass
USE: Sea grass
Seagrass resources
USE: Botanical resources

Seakeeping
USE: Ship motion

Seaknolls
UF: Knolls (submarine)
BT: Submarine features

Sealing
USE: Seals (stoppers)

Seals (stoppers)
UF: Oil seals
Sealing
RT: Leaks

Seamanship
RT: Navigation
Ship handling
Station keeping

Seamount chains
BT: Submarine features
RT: Hot spots
Seamounts
Submarine volcanoes

Seamounts
SN: Elevations of sea floor, usually volcanic, which may form islands
BT: Submarine features
NT: Guyots
RT: Mountains
Seamount chains

Seabquakes
RT: Earthquakes

Search and rescue
UF: Rescue
RT: Accidents
Diving
Emergency vessels
Locating
Salvaging
Survival at sea
Underwater object location

Seas
USE: Oceans

Seashells
USE: Shells

Seashore ecology
USE: Marine ecology

Season regulations
UF: Closed seasons
Fishing seasons
BT: Fishery regulations
RT: Permits

Seasonal changes
USE: Seasonal variations

Seasonal distribution
SN: Before 1982 search
TEMPORAL DISTRIBUTION
BT: Temporal distribution
RT: Migrations
Seasonal variations
Seasonality

Seasonal thermocline
BT: Thermocline
RT: Metalimnion
Seasonal variations

Seasonal thermocline (lakes)
USE: Metalimnion

Seasonal variations
SN: Changes between successive seasons
UF: Seasonal changes
Within-year variations
BT: Periodic variations
RT: Annual variations
Horizontal distribution
Phenology
Regional variations
Seasonal distribution
Seasonal thermocline
Seasonality
Seasons
Vertical distribution

Seasonality
SN: Before 1982 search also SEASONAL VARIATIONS
BT: Periodicity
RT: Seasonal distribution
Seasonal variations
Seasons

Seasons
SN: Use of a more specific term is recommended
NT: Autumn
Cold season
Dry season
Rainy season
Spring
Summer
Winter
RT: Climate
Climatic zones
Climatology
Seasonal variations
Seasonality
Spawning seasons

Seawall writh effect
USE: Genetic drift

Seawater
USE: Sea water

Seawater conversion
USE: Desalination

Seaweed
USE: Seaweeds

Seaweed (artificial)
USE: Artificial seaweed

Seaweed culture
SN: Methods and techniques for culture and harvesting of seaweeds
UF: Seaweed farming
BT: Plant culture
RT: Brackishwater aquaculture
Marine aquaculture
Off-bottom culture
Seaweed industry
Seaweeds

Seaweed farming
USE: Seaweed culture

Seaweed harvesting
BT: Harvesting
RT: Seaweed industry
Seaweed processing
Seaweed products
Seaweed statistics
Seaweeds

Seaweed industry
SN: Including any industries of seaweed products obtained by handling or processing methods.
BT: Industries
NT: Seaweed processing
Seaweed products
RT: Seaweed culture
Seaweed harvesting

Seaweed meal
USE: Alginates

Seaweed processing
SN: Processing of marine plants and marine plant products
BT: Processing fishery products
Seaweed industry
RT: Seaweed harvesting
Seaweed products
Seaweeds

Seaweed products
BT: Processed fishery products
Seaweed industry
NT: Agar
Alginates
Carrageenins
RT: Seaweed harvesting
Seaweed processing
Seaweeds
Seaweed resources
USE: Botanical resources

Seaweed statistics
SN: Tabulation of harvested macro algae from natural beds or artificial culture
BT: Catch statistics
RT: Aquaculture statistics
Seaweed harvesting
Seaweeds
SN: Any macro-algae of marine environment, mainly species of coastal region
UF: Seaweed
BT: Marine organisms
Marine plants
Weeds
NT: Kelps
Sea grass
RT: Artificial seaweed
Holdfasts
Seaweed culture
Seaweed harvesting
Seaweed processing
Seaweed products
Seaweed statistics
Terpenes

Secchi discs
BT: Light measuring instruments

Secondary production
BT: Biological production
RT: Predators
Primary production
Zooplankton

Secondary sedimentary structures
USE: Sedimentary structures
Secondary sex characteristics
USE: Secondary sexual characters

Secondary sexual characters
UF: Secondary sex characteristics
BT: Sex characters
RT: Sexual dimorphism

Secondary waves
USE: S-waves

Secrecion
NT: Lactation
Neurosecretion
RT: Byssus
Excretion
Hormones
Secretory organs
Secretory products

Secretory organs
NT: Glands
Stomach
RT: Secretion

Secretory products
Venom apparatus

Sedimentary organs
USE: Sessile species

Sedimentary resources
USE: Sedimentary species

Sedimentary species
UF: Sedimentary resources
BT: Species
RT: Migratory species
Sessile species

Sediment analysis
SN: Analysis of sediments for determination of organic and inorganic components including minerals
BT: Analysis
NT: Core analysis
RT: Chemical analysis
Gravimetric techniques
Hydrocarbon analysis
Pollution detection
Sediment chemistry
Sediment composition
Sediment density
Sediment pollution
Sediment properties
Sediment samplers
Sediment samples
Sediment structure
Sediment texture
Sediments

Sediment chemistry
BT: Geochemistry
RT: Biogeochemistry
Chemical properties
Mineralogy
Sediment analysis
Sediment composition

Sediment collections
SN: Collections of sediment samples obtained mainly by coring
BT: Collections
RT: Sediment sampling
Sediments

Sediment composition
BT: Composition
RT: Sediment analysis
Sediment chemistry
Sediment texture

Sediment density
UF: Rock density
BT: Density
Sediment properties
NT: Wet bulk density
RT: Sediment analysis
Sediments
Sediment deposition
USE: Sedimentation

Sediment distribution
SN: Geographic distribution of bottom sediments
BT: Distribution
RT: Bottom topography
Geographical distribution
Geological maps
Sediments

Sediment drifts
UF: Sediment ridges
BT: Bed forms
RT: Bottom currents
Deposition features
Soil mechanics

Sediment dynamics
BT: Dynamics
RT: Bottom stress
Channel flow
Particle motion
Sediment movement
Sediment stability
Sediment transport

Sediment flow
USE: Sediment gravity flows

Sediment gravity flows
UF: Sediment flow
BT: Sediment movement
NT: Fluidized sediment flow
Grain flow
Turbidity currents

Sediment load
NT: Bed load
Suspended load
RT: Clays
Gravel
Sand
Sediment transport
<table>
<thead>
<tr>
<th>Sediment mixing</th>
<th>Sediment transport rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>UF: Mixing (sediments)</td>
<td>USE: Sediment transport</td>
</tr>
<tr>
<td>NT: Bioturbation</td>
<td>sedanement transport</td>
</tr>
<tr>
<td>Gas turbation</td>
<td>Sediments</td>
</tr>
<tr>
<td>RT: Mixing processes</td>
<td>Sediment analysis</td>
</tr>
<tr>
<td>Sediment sorting</td>
<td>Sediment load</td>
</tr>
<tr>
<td>Sediments</td>
<td>Sediment movement</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Sediment movement</th>
<th>Sediment temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT: Motion</td>
<td>SN: Gradient or temperature fluxes</td>
</tr>
<tr>
<td>NT: Mass movement</td>
<td>in sediments</td>
</tr>
<tr>
<td>Sediment gravity flows</td>
<td>UF: Beach temperature</td>
</tr>
<tr>
<td>RT: Particle motion</td>
<td>BT: Sediment properties</td>
</tr>
<tr>
<td>Sediment dynamics</td>
<td>Temperature</td>
</tr>
<tr>
<td>Sediment noise</td>
<td>RT: Geothermal measurement</td>
</tr>
<tr>
<td>Sediment transport</td>
<td>Heat flow</td>
</tr>
<tr>
<td>Sediments</td>
<td>Sediments</td>
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<table>
<thead>
<tr>
<th>Sediment samples</th>
<th>Sediment-water interface</th>
</tr>
</thead>
<tbody>
<tr>
<td>UF: Rock samples</td>
<td>Water temperature</td>
</tr>
<tr>
<td>BT: Geological samples</td>
<td>Sediment samples</td>
</tr>
<tr>
<td>NT: Cores</td>
<td>Sediment traps</td>
</tr>
<tr>
<td>Dredged samples</td>
<td>Sediment trapping</td>
</tr>
<tr>
<td>RT: Sediment analysis</td>
<td>Sediment trapping</td>
</tr>
<tr>
<td>Sediment samplers</td>
<td>Sediment collection</td>
</tr>
<tr>
<td>Sediment sampling</td>
<td>Sediment composition</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sediment sampling</th>
<th>Sediment structure</th>
</tr>
</thead>
<tbody>
<tr>
<td>UF: Rock sampling</td>
<td>Sediments</td>
</tr>
<tr>
<td>Soil sampling</td>
<td>Sediments</td>
</tr>
<tr>
<td>BT: Sampling</td>
<td>Sediments</td>
</tr>
<tr>
<td>NT: Coring</td>
<td>Sediments</td>
</tr>
<tr>
<td>RT: Mineral exploration</td>
<td>Sediments</td>
</tr>
<tr>
<td>Penetrometers</td>
<td>Sediments</td>
</tr>
<tr>
<td>Seafloor mapping</td>
<td>Sediments</td>
</tr>
<tr>
<td>Seafloor sampling</td>
<td>Sediments</td>
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<tr>
<td>Sediment collections</td>
<td>Sediments</td>
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<tr>
<td>Sediment pollution</td>
<td>Sediments</td>
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<td>Sediment samplers</td>
<td>Sediments</td>
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<tr>
<td>Sediment samples</td>
<td>Sediments</td>
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<tr>
<td>Surveying underwater</td>
<td>Sediments</td>
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<table>
<thead>
<tr>
<th>Sediment transport</th>
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</thead>
<tbody>
<tr>
<td>UF: Sand transport</td>
<td>USE: Geothermal measurement</td>
</tr>
<tr>
<td>Sediment transport rate</td>
<td>USE: Geothermal measurement</td>
</tr>
<tr>
<td>Subaqueous sediment transport</td>
<td>USE: Geothermal measurement</td>
</tr>
<tr>
<td>BT: Transport</td>
<td>USE: Geothermal measurement</td>
</tr>
<tr>
<td>NT: Eolian transport</td>
<td>USE: Geothermal measurement</td>
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<td>Fluvial transport</td>
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<td>Glacial transport</td>
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<td>Longshore sediment transport</td>
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<td>Mass gravity transport</td>
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<td>BT: Sediment properties</td>
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<td>RT: Sediment analysis</td>
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<td>USE: Permeability</td>
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<td>BT: Pollution</td>
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<tr>
<td>RT: Chemical pollution</td>
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<td>Groundwater pollution</td>
<td>Sediment pollution</td>
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<td>Oil pollution</td>
<td>Sediment pollution</td>
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<td>Sediment analysis</td>
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<th>Sediment properties</th>
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<td>Rock properties</td>
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<td>Soil properties</td>
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<td>BT: Properties</td>
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<td>NT: Grain properties</td>
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<td>BT: Samplers</td>
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<td>NT: Corers</td>
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<td>SN: Gradient or temperature fluxes</td>
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<td>in sediments</td>
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<td>Texture</td>
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<td>RT: Structural basins</td>
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<td>Sedimentary deposits</td>
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<td>SN: Before 1983 search also</td>
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<td>NT: Deltaic sedimentation</td>
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<td>Nearshore sedimentation</td>
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<td>NT: Shelf sedimentation</td>
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<td>UF: Sediments (consolidates)</td>
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<td>BT: Rocks</td>
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<td>RT: Carbonate rocks</td>
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<td>SN: Features that originate within layers of sediments or along the sediment-water interface prior to lithification</td>
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<td>RT: Diagenesis</td>
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<td>Heat flow</td>
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<td>Sediment-water interface</td>
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Sediment-water interface
SN: Including chemical or physical phenomena occurring in the sediment-water interface
BT: Interfaces
RT: Bed forms
Heat exchange
Heat flow
Sediment pollution
Sediment temperature
Sediments
Sediment-water exchanges
Wave-seabed interaction

Seepages
SN: Use of a more specific term is recommended
UF: Seeps
NT: Gas seepages
Oil seepages
RT: Percolation
Pollution
Water springs
USE: Seepages

Seiches
UF: Surges (seiches)
BT: Surface water waves
NT: Harbour oscillations
RT: Dynamical oceanography
Lake dynamics
Standing waves
Surface gravity waves
Surges

Seine nets
BT: Fishing nets
NT: Beach seines
Boat seines
RT: Seiners
Seining

Seiners
SN: Any type of vessel used in seining or encircling operations
UF: Purse seiners
BT: Fishing vessels
RT: Purse seines
Seine nets
Seining
Surrounding nets

Seining
BT: Net fishing
NT: Purse seining
RT: Seiners
Surrounding nets

Seismic activity
SN: General phenomena of earth movement and effects on aquatic environment and its exploitation.
Before 1983 search also SEISMIC EFFECTS and SEISMICITY
UF: Seismic effects
Seismicity
RT: Earthquake loading
Earthquakes
Environmental factors
Ground motion
Seismic waves
Seismic zones
Seismology

Seismic arrays
BT: Arrays
RT: Acoustic arrays
Seismic energy sources
Seismic equipment

Seismic attenuation
SN: Seismic wave attenuation
BT: Attenuation
RT: Seismic waves

Seismic data
BT: Geophysical data
RT: Seismic data processing

Seismic data processing
BT: Data processing
NT: Bright spot technology
RT: Convolution
Data reduction
Deconvolution
Seismic data
Seismic deconvolution
USE: Deconvolution

Seismic discontinuities
NT: Moho
RT: Seismic layers
Seismic velocities

Seismic effects
USE: Seismic activity

Seismic energy sources
NT: Air guns
Sparkers
RT: Seismic arrays
Seismic equipment
Seismic exploration
Sound generators

Seismic epicentres
USE: Epicentres

Seismic equipment
BT: Geophysical equipment
RT: Seismic arrays
Seismic energy sources
Seismic exploration
Seismometers
Sonobuoys
Streamers

Seismic events
USE: Earthquakes

Seismic exploration
SN: Before 1983 search also SEISMIC PROFILING
UF: Seismic methods
BT: Geophysical exploration
NT: Seismic reflection profiling
Seismic refraction profiling
Sub-bottom profiling
RT: Geological surveys
Seismic energy sources
Seismic equipment
Seismic profiles
Seismology

Seismic layers
BT: Earth structure
Layers
NT: Low-velocity layer
RT: Seismic discontinuities
Seismic velocities

Seismic margins
USE: Active margins
Seismic methods
USE: Seismic exploration
Seismic profiles
UF: Seismic sections
BT: Analog records
NT: Seismic reflection profiles
Seismic refraction profiles
RT: Bright spot technology
Geological sections
Seismic exploration
Seismic stratigraphy
Vertical sections

Seismic profiling
USE: Seismic exploration

Seismic propagation
UF: Seismic wave propagation
RT: Ray paths
Seismic reflection
Seismic refraction
Seismic scattering
Seismic waves

Seismic ray path
USE: Ray paths

Seismic records
USE: Seismograms

Seismic reflection
UF: Seismic wave reflection
BT: Reflection
RT: Seismic propagation
Seismic reflection profiles
Seismic reflection profiling
Seismic scattering
Seismic waves

Seismic reflection method
USE: Seismic reflection profiling

Seismic reflection profiles
BT: Seismic profiles
RT: Seismic reflection
Seismic reflection profiling

Seismic reflection profiling
UF: Seismic reflection method
BT: Profiling
Seismic exploration
RT: Seismic refraction
Seismic refraction profiles

Seismic refraction profiling
Seismic refraction profiling
USE: Seismic stratigraphy
Seismic stratigraphy

Seismic refraction
UF: Seismic wave refraction
BT: Refraction
RT: Seismic propagation
Seismic refraction profiles
Seismic refraction profiling
Seismic scattering

Seismic refraction method
USE: Seismic refraction profiling

Seismic refraction profiles
BT: Seismic profiles
RT: Seismic refraction

Seismic refraction
UF: Seismic wave refraction
BT: Refraction
RT: Seismic propagation
Seismic refraction profiles
Seismic refraction profiling
Seismic scattering

Seismic refraction method
USE: Seismic refraction profiling

Seismic refraction profiles
BT: Seismic profiles
RT: Seismic refraction

Seismic refraction
UF: Seismic wave refraction
BT: Refraction
RT: Seismic propagation
Seismic refraction profiles
Seismic refraction profiling
Seismic scattering

Seismic refraction method
USE: Seismic refraction profiling

Seismic refraction profiles
BT: Seismic profiles
RT: Seismic refraction

Seismic refraction
UF: Seismic wave refraction
BT: Refraction
RT: Seismic propagation
Seismic refraction profiles
Seismic refraction profiling
Seismic scattering

Seismic refraction method
USE: Seismic refraction profiling

Seismic stratigraphy
UF: Acoustic stratigraphy
BT: Stratigraphy
RT: Seismic profiles
Seismic refraction profiles

Seismic tomography
BT: Stratigraphy

Seismic velocities
UF: Wave velocity (seismic)
BT: Velocity
NT: Compressional wave velocities
Shear wave velocities
RT: Low-velocity layer
Moho
Seismic discontinuities
Seismic layers
Seismic waves

Seismic wave propagation
USE: Seismic propagation

Seismic wave reflection
USE: Seismic reflection

Seismic wave refraction
USE: Seismic refraction

Seismic waves
UF: Earth waves
Earthquake waves
Long-period seismic waves
Waves (seismic)
BT: Elastic waves
NT: Body waves
Microseisms
Surface seismic waves
RT: Ray paths
Seismic activity
Seismic attenuation

Seismic propagation
Seismic reflection
Seismic velocities
Seismograms
Seismology
Wave properties

Seismic zones
BT: Earth structure
RT: Aseismic zones
Benioff zone
Seismic activity

Seismicity
USE: Seismic activity

Seismograms
UF: Seismic records
BT: Analog records
RT: Seismic waves
Seismometers

Seismographs
USE: Seismometers

Seismology
BT: Geophysics
RT: Earthquakes
Epicentres
Geomorphology
Ground motion
Seismic activity
Seismic exploration
Seismic waves
Seismometers
Tiltmeters

Seismometers
UF: Geophones
Seismographs
Strain seismometers
BT: Measuring devices
NT: Ocean bottom seismometers
RT: Accelerometers
Seismic equipment
Seismograms
Seismology

Selected ships
SN: Merchant vessels equipped to make basic meteorological and oceanographic observations
UF: Ships of opportunity
BT: Merchant ships
RT: Weather ships

Selection (biological)
USE: Bioselection

Selective breeding
BT: Breeding
RT: Aquaculture techniques
Domestic species
Genetics
Hybrid culture
Hybrids
Intensive culture
Selective feeding
BT: Artificial feeding

Selenium
BT: Heavy metals
RT: Selenium compounds
Selenium isotopes

Selenium compounds
BT: Chemical compounds
RT: Selenium

Selenium isotopes
BT: Isotopes
RT: Selenium

Self fertilization
BT: Hermaphroditism
RT: Animal reproductive organs
Protandry
Sexual reproduction

Self pollination
USE: Pollination

Self purification
SN: Natural self purification of waters, sediments, organisms etc.
UF: Depuration
Pollution self-control
RT: Aeration
Aerobic bacteria
Biochemical oxygen demand
Water purification

Self-propelled vehicles
BT: Underwater vehicles
NT: Untethered vehicles
RT: Free-swimming vehicles
Seabed vehicles
Submersibles

Semen
BT: Secretory products
RT: Sperm

Semidiurnal tides
UF: Lunar semidiurnal tides
Solar semidiurnal tides
BT: Tides

Semi-enclosed seas
BT: Marginal seas
RT: Embankments
Shelf seas

Seminars
USE: Conferences

Semisubmersible platforms
SN: Towed or self-propelled structures partially submerged by flooding. Before 1982 search SEMISUBMERSIBLES
UF: Semisubmersibles (drilling platforms)
BT: Mobile platforms

RT: Anchoring
Submersible platforms

Semisubmersibles (drilling platforms)
USE: Semisubmersible platforms

Senescence
USE: Biological aging

Sense functions
NT: Audition
Olfaction
Photoreception
Tactile functions
Taste functions
Vision
RT: Antennae
Chemoreception
Neurophysiology
Orientation behaviour
Sense organs
Stimuli

Sense organs
BT: Animal organs
NT: Auditory organs
Balance organs
Chemosensors
Lateral line
Mechanoreceptors
Olfactory organs
Photoreceptors
Sense tentacles
Tactile organs
Taste organs
RT: Central nervous system
Nervous tissues
Neurophysiology
Peripheral nervous system
Receptors
Sense functions

Sense tentacles
BT: Sense organs
Tentacles

Sensible heat
BT: Heat
RT: Heat conduction
Sensible heat transfer

Sensible heat flux
USE: Sensible heat transfer

Sensible heat transfer
SN: Sensible heat flux across air-water interface and air-ice interface
UF: Sensible heat flux
BT: Heat exchange
RT: Bowen ratio
Sensible heat

Sensors
UF: Probes (instruments)
Probes (sensors)
BT: Equipment

NT: Conductivity sensors
Current sensors
pH sensors
Pressure sensors
Towed sensors
Wave direction sensors
RT: Electronic equipment
Measuring devices
Oceanographic equipment
Radiometers
Recording equipment
Remote sensing equipment
Streamers
Test equipment

Sensory receptors
USE: Receptors

Separation
NT: Centrifugation
Chemical extraction
Chemical precipitation
Decantation
Desiccation
Gas oil separation
Gas water separation
Oil water separation
RT: Adsorption
Aeration
Animal oil extraction
Dehydration
Desalination
Diffusion
Dispersion
Drying
Electrophoresis
Gas processing
Separation processes
Turbulent entrainment
Water purification

Separation processes
SN: Before 1982 search also SEPARATION
NT: Demineralization
Dialysis
Dissolution
Distillation
Ion exchange
Leaching
Osmosis
Solvent extraction
RT: Oil treating
Separation

Septicaemia
UF: Bacterial haemorrhagic septicaemia
Septicaemia
Viral haemorrhagic septicaemia
BT: Infectious diseases
RT: Fish diseases
Haematological diseases
Viral diseases

Septicaemia
USE: Septicaemia
Sequence stratigraphy
BT: Stratigraphy

Serine
BT: Amino acids

Serological studies
UF: Serology
RT: Antigens
Blood
Electrophoresis
Haematology
Immunology
Proteins
Serological taxonomy
Serum

Serological taxonomy
BT: Taxonomy
RT: Electrophoresis
Proteins
Serological studies
Serum

Serpentinite
BT: Metamorphic rocks
RT: Serpentinization

Serpentinization
SN: Geological metamorphic process involving heat and water in which low-silica mafic and ultramafic rocks are oxidized and hydrolyzed with water into serpentine
UF: Serpentinitization
RT: Hydrothermal alteration
Metasomatism
Serpentinite

Serum
BT: Body fluids
NT: Antibodies
RT: Haematology
Serological studies
Serological taxonomy

Serum albumins
USE: Albumins

Serum globulins
USE: Globulins

Sessile organisms
USE: Sessile species

Sessile species
UF: Sedentary organisms
Sessile organisms
BT: Species
RT: Benthos
Sedentary species
Substrata

Sexton
BT: Aquatic communities
RT: Plankton
Suspended particulate matter

Set lines
USE: Lines

Set nets
USE: Gillnets

Setae
SN: Slender, usually rigid bristles or hairs
RT: Hair

Settlement (biological)
USE: Biological settlement

Settlement (larvae)
USE: Larval settlement

Settlement (structural)
UF: Structural settlement
RT: Compaction
Failures
Foundations
Geological hazards
Sediment stability
Soil mechanics
Structural engineering
Structures

Settling behaviour
BT: Behaviour
RT: Algal settlements
Artificial substrata
Biological settlement
Colonization
Larval settlement
Substrata

Settling rate
UF: Settling velocity
Sinking rate
BT: Velocity
RT: Particle motion
Particle settling
Particulate flux
Stokes law

Settling velocity
USE: Settling rate

Setup (wind)
USE: Wind setup

Sewage	not yet defined
SN: Before 1982 search also

Sewage disposal
UF: Sewage sludge disposal
BT: Waste disposal
RT: Sanitary engineering
Sewage
Sewage ponds
Sewage treatment
Sludge
Waste water

Sewage effluents
USE: Sewage

Sewage outfalls
USE: Outfalls

Sewage oxidation ponds
USE: Sewage ponds

Sewage ponds
UF: Oxidation lagoons
Sewage oxidation ponds
BT: Ponds
RT: Sanitary engineering
Sewage
Sewage disposal
Sewage treatment
Sludge
Waste disposal

Sewage sludge disposal
USE: Sewage disposal

Sewage tanks
USE: Sewage treatment

Sewage treatment
UF: Sewage tanks
BT: Waste treatment
NT: Bioaeration
RT: Aeration
Biodegradation
Chemical degradation
Chlorination
Dechlorination
Flocculation
Sanitary engineering
Sewage
Sewage disposal
Sewage ponds
Sludge treatment
Wastewater treatment
Water filtration

Sex
UF: Gender
NT: Females
Males
RT: Sex characters
Sex determination
Sex hormones
Sex ratio
Sex reversal
Sexual behaviour
Sexual reproduction
Sexual selection

Sex characteristics
USE: Sex characters

Sex characters
UF: Sex characteristics
Sex differences
Sexual differences
NT: Secondary sexual characters
RT: Animal reproductive organs
Sex

Sex composition
USE: Sex ratio

Sex determination
SN: Physiological mechanisms determining sex
RT: Chromosomes
Hermaphroditism
Sex
Sex hormones
Sex reversal
Sexual dimorphism

Sex differences
USE: Sex characters

Sex dimorphism
USE: Sexual dimorphism

Sex hormones
SN: Any hormone having a morphological or physiological effect upon the reproductive organs, secondary sex characters or sexual behaviour
UF: Androgens
Estrogens
Gonadal hormones
Gonadotropic hormones
BT: Hormones
RT: Sex
Sex determination
Sexual behaviour

Sex ratio
UF: Sex composition
BT: Population structure
RT: Sex

Sex reversal
RT: Animal reproductive organs
Sex
Sex determination

Sexual behaviour
BT: Behaviour
RT: Reproductive behaviour
Sex
Sex hormones
Sexual reproduction

Sexual cells
BT: Cells
NT: Eggs
Gametes
Sperm
RT: Biological fertilization
Genomes
Oogenesis
Polyspermy
Sexual reproduction
Zygotes

Sexual differences
USE: Sex characters

Sexual dimorphism
UF: Dimorphism (sexual)
Sex dimorphism
RT: Biopolymorphism
Organism morphology
Secondary sexual characters
Sex determination
Sexual maturity
Sexual selection

Sexual glands
USE: Animal reproductive organs

Sexual isolation
UF: Isolation (sexual)
Reproductive isolation
BT: Isolating mechanisms
RT: Breeding seasons
Sexual selection

Sexual maturity
UF: Maturation
BT: Biological properties
RT: Adults
Breeding
Fecundity
Gametogenesis
Life cycle
Ovulation
Sexual dimorphism
Sexual reproduction
Spermatophores

Sexual reproduction
SN: Natural or artificial sexual reproduction
BT: Reproduction
NT: Biological fertilization
Parturition
RT: Animal reproductive organs
Breeding
Conjugation
Ovaparity
Ooviviparity
Ovulation
Pollination
Polyspermy
Pregnancy
Self fertilization
Sex
Sexual behaviour
Sexual cells

Sexual maturity
Spawning
Spermatophores
Viviparity

Sexual selection
BT: Bioselection
RT: Sex
Sexual dimorphism
Sexual isolation

Shading
SN: Provision of shade, e.g. by plant cover
RT: Canopies
Plant utilization

Shale
BT: Clastics
Sedimentary rocks
NT: Oil shale
RT: Lutites

Shallow water
BT: Water
RT: Continental shelves
Deep water
Lagoons
Littoral zone
Marshes
Reefs
Shallow water tides
Shallow water waves
Shell dynamics
Shelf seas
Shoals
Surface water
Swamps
Water depth
Wave refraction

Shallow water dynamics
USE: Shelf dynamics

Shallow water tides
BT: Tides
RT: Estuarine tides
Shallow water
Tide-surge interaction

Shallow water waves
UF: Long gravity waves
Long waves
Long-period water waves
Long-period waves
BT: Water waves
NT: Cnoidal waves
Solitary waves
Tidal bores
RT: Nonlinear waves
Shallow water
Storm surges
Tidal waves
Tsunamis
Wave scouring
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<th>UF</th>
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<td>Media:shelf</td>
<td>Shelf edge</td>
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</table>
Shelf facies
Shelf fronts
Shelf geology
Shelf sedimentation

Shelf sedimentation
BT: Sedimentation
RT: Bed load
Continental shelves
Sedimentary environments
Shelf facies
Shelf geology
Shelf seas
Tidal deposits

Shelf waves
BT: Trapped waves
RT: Shelf currents
Shelf dynamics

Shellfish
SN: Common category which includes shelled molluscs and crustaceans, especially those used as human food
UF: Crustaceans
Molluscs
BT: Aquatic animals
NT: Brackishwater molluscs
Freshwater crustaceans
Freshwater molluscs
Marine crustaceans
Marine molluscs
RT: Fish
Seafood
Shellfish catch statistics
Shellfish culture
Shells

Shellfish catch statistics
SN: Catch tabulation in number or weight of shellfish species
BT: Catch statistics
RT: By catch
Shellfish
Shellfish fisheries

Shellfish culture
BT: Cultures
NT: Crustacean culture
Mollusc culture
RT: Bottom culture
Brackishwater aquaculture
Freshwater aquaculture
Intensive culture
Marine aquaculture
Off-bottom culture
Shellfish
Shellfish fisheries
Thermal aquaculture

Shellfish diseases
USE: Fish diseases

Shellfish fisheries
BT: Fisheries
NT: Crustacean fisheries

Shelf facies
Mollusc fisheries
RT: Marine fisheries
Shellfish catch statistics
Shellfish culture
Shellfish nutrition
USE: Animal nutrition
Shellfish poisoning (catching method)
USE: Fish poisoning
Shellfish poisoning (diarrhetic)
USE: Diarrhetic shellfish poisoning
Shellfish poisoning (paralytic)
USE: Paralytic shellfish poisoning

Shells
SN: Description and composition of exoskeletons of different shellfish species and their use as commercial products
UF: Seashells
BT: Animal products
RT: Calcification
Conchology
Decalcification
Exoskeleton
Malacology
Mantle
Oozes
Shellfish
Sheltered environments
USE: Sheltered habitats

Sheltered habitats
UF: Sheltered environments
BT: Habitat
RT: Ecological zonation
Exposed habitats
Exposure tolerance
Shelters

Shelters
SN: Natural or artificial underwater shelters made for improvement of the habitat or for fishing purposes
UF: Artificial shelters
Underwater shelters
RT: Artificial reefs
Artificial spawning grounds
Habitat improvement (physical)
Sheltered habitats

Shingle
BT: Clastics
RT: Beach ridges
Pebbles
Shingle beaches
USE: Beaches

Ship anchors
USE: Anchors

Ship behaviour
USE: Ship motion

Ship canals
UF: Navigation canals
BT: Canals
RT: Harbours
Interocian canals
Navigational channels
Shipping

Ship design
BT: Design
RT: Ship hulls
Ship models
Ship performance
Ship technology

Ship drift
UF: Drift (ships)
BT: Drift
RT: Dead reckoning
Lagrangian current measurement
Station keeping

Ship fittings
USE: Shipboard equipment

Ship handling
BT: Handling
RT: Manoeuvrability
Navigation
Seamanship

Ship hulls
BT: Hulls
RT: Catamarans
Ship design
Ship technology

Ship losses
RT: Capsizing
Collisions
Fire
Groundings
Wrecks

Ship models
BT: Scale models
RT: Ship design
Ship technology
Ships

Ship mooring systems
SN: To include systems for fixed and mobile platforms
UF: Mooring systems
BT: Mooring systems
NT: Single point moorings
RT: Berthing
Fenders
Positioning systems
Ships

Ship motion
UF: Seakeeping
Ship behaviour
BT: Motion
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NT: Capsizing
Heaving
Pitching
Righting
Rolling
Surging
Swaying
Yawing
RT: Buoy motion
Sea sickness
Ship stability
Ship technology
Ships
Stabilizers
Wakes
Wave action
Wave damping
Wave effects
Wave forces

Ship performance
RT: Ship design
Ship speed
Ship stability
Ship technology
Ships

Ship routeing
UF: Weather routeing
NT: Ice routeing
RT: Navigation
Wave forecasting
Weather forecasting

Ship speed
BT: Velocity
RT: Ship performance
Wakes

Ship stability
BT: Stability
RT: Capsizing
Righting
Ship motion
Ship performance
Ship technology
Ships
Stabilizers

Ship technology
SN: Restrict use to publications concerned with general aspects of the design and construction of vessels and propulsion systems. Before 1982 search SHIPBUILDING, MARINE ENGINEERING and NAVAL ARCHITECTURE
UF: Marine engineering
Nautical architecture
Naval engineering
Naval technology
Shipbuilding
BT: Technology
RT: Propulsion systems
Ship design
Ship hulls

Ship models
Ship motion
Ship performance
Ship stability
Ships
Steering systems
Towed body design
Underwater vehicles

Shipboard analysis
SN: Use for analysis aboard research vessels
BT: Water analysis
Shipboard computers
USE: Computers

Shipboard equipment
UF: Marine fittings
Ship fittings
BT: Equipment
RT: Diesel engines
Propulsion systems
Thrusters

Shipborne wave recorders
USE: Wave recorders
Shipbuilding
USE: Ship technology

Shipping
SN: Use only as a collective term in the context of transportation, navigation, traffic on high seas, trade, commerce, maritime law, etc.
RT: Cargoes
Marine transportation
Navigation regulations
Ship canals
Shipping lanes
Ships
Traffic management

Shipping lanes
SN: Routes used by merchant vessels
RT: Marine transportation
Shipping
Traffic management

Shipping noise
BT: Ambient noise
RT: Surface noise

Shipping rules
USE: Navigation regulations

Ships
SN: Use of a more specific term is recommended. See also SURFACE CRAFT
BT: Surface craft
NT: Cable ships
Ice breakers
Lightships
Merchant ships
Sailing ships
Supply boats
Support ships
Tugs
Weather ships
RT: Ship models
Ship mooring systems
Ship motion
Ship performance
Ship stability
Ship technology
Shipping

Ships logbooks
USE: Logbooks
Ships of opportunity
USE: Selected ships

Shaoling
RT: Beach cusps
Sediment transport
Shoals
Waves on beaches

Shaoling waves
RT: Beach cusps
Breaking waves
Rollers
Shoals
Waves on beaches

Shoals
SN: Submerged ridges, banks, bars and reefs constituting a danger for navigation
UF: Reefs (navigational hazard)
BT: Submarine features
RT: Groundings
Navigational hazards
Reefs
Sand banks
Sand bars
Shallow water
Shaoling
Shaoling waves
Submarine banks

Shoals
BT: Plant organs

Shore protection
UF: Coast protection
Protection (coastal)
BT: Coastal zone management
Environmental protection
RT: Beach erosion
Coast defences
Coastal engineering
Coastal erosion
Coastal structures
Lake reclamation

Shore stations
USE: Inshore stations
Shore whaling
USE: *Artisanal whaling*

Shoreline erosion
USE: *Coastal erosion*

Shoreline features
USE: *Coastal landforms*

Shorelines
USE: *Coasts*

Short wave radiation
USE: *Solar radiation*

**Short wave-long wave interactions**
UF: Long wave-short wave interactions
BT: Wave-wave interaction
RT: Surface water waves

**Short-crested waves**
BT: Surface water waves
RT: Directional spectra
Long-crested waves
Wave crests
Wave direction

**Short-term changes**
BT: Temporal variations
RT: Long-term changes
Prediction
Short-term records

**Short-term planning**
BT: Planning
RT: Long-term planning

**Short-term records**
BT: Records
RT: Short-term changes

**Shrimp culture**
SN: Before 1982 search
CRUSTACEAN CULTURE
UF: Marine shrimp culture
Saltwater shrimp culture
Shrimp farming
BT: Crustacean culture
RT: Mass culture
Polyculture
Pond culture

Shrimp farming
USE: *Shrimp culture*

**Shrimp fisheries**
UF: Cangronid fisheries
Caridean shrimp fisheries
Non penaeid shrimp fisheries
Palaemonid fisheries
Pandalid fisheries
Penaeid shrimp fisheries
Prawn fisheries
BT: Crustacean fisheries
RT: Lagoon fisheries
Shrimp spoilage

**Shrimp nutrition**
USE: *Animal nutrition*

**Shrimp spoilage**
RT: Fish spoilage
Processing fishery products
Quality control
Shrimp fisheries

**Sial**
UF: Granitic layer
BT: Earth crust
RT: Continental crust
Sima

**Sibling species**
BT: Species
RT: Evolution
Genetics

**Sickness**
USE: *Human diseases*

**Side fillets**
USE: *Fish fillets*

**Side scan sonar**
BT: Active sonar
RT: Gloria
Sonographs

**Sigma-T**
BT: Carbonate minerals

**Signal processing**
BT: Data processing
RT: Fourier analysis
Spectral analysis
Telemetry

**Signal-to-noise ratio**
BT: Ratios
RT: Attenuation
Electronic noise

**Significant wave height**
BT: Wave height
RT: Significant waves
Wave forecasting

**Significant waves**
BT: Surface water waves
RT: Significant wave height
Wave height
Wave period

Silage from fish
USE: *Fish silage*

**Silica**
UF: Silicon dioxide
BT: Silicon compounds
RT: Cherts
Cristobalite
Siliceous ooze
Tholeiite

**Silicate minerals**
BT: Minerals
NT: Amphiboles
Andalusite
Clay minerals
Feldspars
Garnet
Kyanite
Micas
Olivine
Opal
Pyroxenes
Quartz
Quartzite
Titanite
Tourmaline
Zeolites
Zircon
RT: Silicates

**Silicates**
BT: Silicon compounds
NT: Iron silicates
Magnetism silicates
RT: Non-conservative properties
Nutrients (mineral)
Sand
Silicate minerals
Silicic acid
Silicon

**Siliceous ooze**
UF: Ooze (siliceous)
BT: Oozes
NT: Diatom ooze
Radiolarian ooze
RT: Silica
Siliceous sediments

**Siliceous rocks**
BT: Rocks
NT: Cherts
Diatomites
Porcellanite
Radiolarite
RT: Sandstone
Sedimentary rocks
Siliceous sediments

**Siliceous sediments**
BT: Biogenic deposits
RT: Chemical sediments
Pelagic sediments
Siliceous ooze
Siliceous rocks

**Silicic acid**
BT: Inorganic acids
RT: Silicates
Silicon compounds
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Silicification
- RT: Chertification
- Diagenesis
- Metasomatism

Silicon
- BT: Nonmetals
- RT: Silicates
  - Silicon compounds
  - Silicon cycle
  - Silicon isotopes

Silicon compounds
- BT: Chemical compounds
- NT: Silica
- RT: Aluminium compounds
  - Silicic acid
  - Silicon
  - Silicon cycle

Silicon cycle
- BT: Nutrient cycles
- RT: Silicon
  - Silicon compounds

Silicon dioxide
- USE: Silica

Silicon isotopes
- BT: Isotopes
- RT: Silicon

Silt depth
- BT: depth
- RT: Fjords
  - Silt

Sills
- BT: Submarine features
- RT: Fjords
  - Sill depth
  - Submarine ridges

Silo culture
- BT: Aquaculture techniques
- RT: Fish culture
  - Intensive culture

Silt
- BT: Clastics
- RT: Cohesionless sediments
  - Lutites
  - Mud
  - Sand
  - Silt meters
  - Siltion
  - Siltstone

Silt meters
- RT: Sediment traps
  - Silt

Siltation
- USE: Siltation

Silting
- UF: Siltation
- RT: Sedimentation
  - Silt

Siltstone
- BT: Clastics
  - Sedimentary rocks
  - RT: Lutites
  - Mudstone
  - Silt
  - Slates

Silurian
- SN: Before 1982 search
  - SILURIAN PERIOD
- BT: Palaeozoic

Silver
- BT: Heavy metals
  - Transition elements
  - RT: Ferromanganese nodules
  - Metalliferous sediments
  - Silver compounds
  - Silver isotopes

Silver compounds
- BT: Chemical compounds
- RT: Silver

Silver isotopes
- BT: Isotopes
- RT: Silver

Sima
- UF: Basaltic layer
- BT: Earth crust
  - RT: Oceanic crust
  - Sial

Similarity index
- USE: Species diversity

Simulation
- RT: Game theory
  - Modelling
  - Operations research
  - Prediction
  - Simulators
  - System analysis

Simulators
- RT: Models
  - Simulation
  - Training aids

Single anchor leg mooring
- USE: Single point moorings

Single cell culture
- USE: Phytoplankton culture

Single cell proteins
- UF: ASCP
  - SCP
- BT: Proteins
  - RT: Bacteria
  - Yeasts

Single point moorings
- SN: Restricted to ships
  - UF: Single anchor leg mooring
  - BT: Ship mooring systems
  - RT: Articulated columns
  - Loading buoys

Sinking
- RT: Collisions
  - Suspended particulate matter

Sinking rate
- USE: Settling rate

Sinusoidal waves
- USE: Linear waves

Site evaluation
- USE: Site selection

Site exploration
- USE: Site surveys

Site investigation
- USE: Site surveys

Site selection
- SN: Site selection and evaluation for aquaculture purposes, siting of power plants, fishing harbours etc.
  - UF: Aquaculture sites
  - Site evaluation
  - BT: Evaluation
  - RT: Site surveys

Site surveys
- SN: Before 1986 search also SITE INVESTIGATION
  - UF: Site exploration
  - Site investigation
  - BT: Surveys
  - RT: Geological surveys
  - Geophysical surveys
  - Hydrographic surveys
  - Oceanographic surveys
  - Site selection
  - Surveying underwater

Sitosterols
- USE: Sterols

Size
- BT: Dimensions
  - NT: Grain size
    - Particle size
  - RT: Area
    - Capacity
    - Shape
  - Size distribution
    - Volume

Size composition
- USE: Size distribution
Size distribution
SN: Length and weight frequencies
UF: Size composition
BT: Population structure
RT: Age composition
   Length-weight relationships
   Size

Size grading
USE: Grading

Size selectivity
USE: Mesh selectivity

Size-at-age
SN: Length or weight of the fish
   when it attains maturity
BT: Population structure

Size-at-first-maturity
SN: Length or weight of the fish
   when it attains maturity
BT: Population structure

Size-limit regulations
BT: Fishery regulations
RT: Mesh regulations

Size-weight relationships
USE: Length-weight relationships

Skates fisheries
USE: Shark fisheries

Skull
BT: Bones
RT: Brain
   Head
   Otoliths
Sky radiation
USE: Solar radiation

Slamming
USE: Wave forces

Slates
RT: Argillaceous deposits
    Chlorite
    Metamorphic rocks
    Micas
    Mudstone
    Sedimentary rocks
    Siltstone

Slaughter
RT: Mortality causes

Sleep
RT: Hibernation
   Resting stages

Slicks
NT: Oil slicks
    Windrows
    RT: Surface films

Slicks (oil)
USE: Oil slicks

Slicks (surface)
USE: Surface films

Slides
BT: Mass movement
NT: Landslides
   RT: Creep
   Slumping

Slides (photographic)
BT: Audiovisual materials
   RT: Filmstrips
   Graphics

Sliding
USE: Slumping

Slimicides
USE: Fungicides

Slope currents
BT: Water currents

Slope environment
RT: Continental slope

Slope indicators
UF: Inclinometers
   BT: Measuring devices
   NT: Tiltmeters
   RT: Slopes (topography)

Slope processes
RT: Cascading
   Shelf edge dynamics

Slope stability
UF: Soil stability
   BT: Stability
   RT: Creep
    Landslides
    Mass movement
    Sediment stability
    Shear strength
    Slopes (topography)
    Slump structures
    Slumping
    Soil mechanics

Slope water
BT: Water masses

Slopes (topography)
NT: Beach slope
   Island slope
   RT: Continental slope
    Gradients
    Slope indicators
    Slope stability
    Topographic features

Sludge
UF: Activated sludge
   Sludge (wastes)
   BT: Wastes
   RT: Mud
    Organic wastes
    Sewage
    Sewage ponds
    Sludge treatment

Sludge (drilling fluids)
USE: Drilling fluids

Sludge (ice)
USE: Ice

Sludge (wastes)
USE: Sludge

Sludge treatment
BT: Waste treatment
   RT: Aeration
    Biodegradation
    Chemical degradation
    Decantation
    Sanitary engineering
    Sewage treatment
    Sludge
    Water filtration

Slump structures
UF: Slumps
   BT: Sedimentary structures
   RT: Olistostromes
    Slope stability
    Slumping
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**Slumping**  
UF: Sliding  
BT: Mass gravity transport (sediments)  
RT: Continental slope  
Creep  
Earthquakes  
Erosion  
Flow structures  
Fluidization  
Geological hazards  
Slides  
Slope stability  
Slump structures

**Surfactants**  
Water hardness

**Social aspects**  
USE: **Sociological aspects**

**Social behaviour**  
BT: Behaviour  
NT: Schooling behaviour  
RT: Dominance hierarchies  
Ecological aggregations  
Group effects

**Social hierarchy**  
USE: **Dominance hierarchies**

**Societies**  
USE: **Organizations**

**Socioeconomic aspects**  
RT: Globalization  
Sociological aspects

**Sociological aspects**  
UF: Social aspects  
Sociology  
RT: Demography  
Socioeconomic aspects

**Sociology**  
USE: **Sociological aspects**

**Soda**  
UF: Acoustic surveys (atmosphere)  
Sonic Detection And Rangefinding  
RT: Acoustic imagery  
Lidar  
Meteorological instruments  
Remote sensing equipment

**Sodium**  
BT: Alkali metals  
RT: Sodium compounds  
Sodium isotopes

**Sodium compounds**  
BT: Alkali metal compounds  
NT: Sodium chloride  
RT: Dissolved salts  
Sodium

**Sodium isotopes**  
BT: Isotopes  
RT: Sodium

**Sofar**  
UF: Sound Fixing And Rangefinding  
BT: Position fixing  
RT: Sofar floats  
Sound channels

**Sofar floats**  
BT: Swallow floats  
RT: Sofar

**Soft roe**  
USE: **Roes**

**Soil conservation**  
BT: Conservation  
RT: Erosion control  
Soil erosion  
Soils

**Soil erosion**  
BT: Erosion  
RT: Soil conservation  
Soils  
Wind erosion

**Soil mechanics**  
BT: Mechanics  
RT: Cohesive sediments  
Compaction  
Consolidation  
Creep  
Elastic constants  
Elasticity  
Geotechnology  
Penetration depth  
Rock mechanics  
Sediment drifts  
Sediment properties  
Sediment stability  
Settlement (structural)  
Slope stability  
Soils  
Stress-strain relations  
Trenching  
Void ratio

**Soil properties**  
USE: **Sediment properties**

**Soil sampling**  
USE: **Sediment sampling**

**Soil stability**  
USE: **Slope stability**

**Soils**  
UF: Earth (soil)  
RT: Gravel  
Humus  
Mud  
Sand  
Sediments  
Soil conservation  
Soil erosion  
Soil mechanics

**Solar activity**  
UF: Sunspots  
RT: Astronomy  
Solar constant  
Solar radiation  
Solar-terrestrial activity  
Sun

**Slumms**  
USE: **Slump structures**

**Slurries**  
RT: Mud  
Pumping  
Suspension

**Small scale aquaculture**  
UF: Artisanal aquaculture  
Subsistence aquaculture  
RT: Aquaculture techniques  
Fish ponds

**Small scale fishing**  
USE: **Artisanal fishing**

**Smectite**  
BT: Clay minerals

**Smoke**  
RT: Air pollution  
Atmospheric particulates  
Fire

**Smoked products**  
USE: **Cured products**

**Smoking**  
USE: **Curing**

**Smolts**  
BT: Juveniles

**Smooth muscles**  
USE: **Muscles**

**Snapper fisheries**  
USE: **Percoid fisheries**

**Snow**  
BT: Atmospheric precipitations  
RT: Hail  
Ice  
Rain  
Rainfall

**Snow crab fisheries**  
USE: **Crab fisheries**

**Soaps**  
BT: Detergents  
RT: Domestic wastes

**Social aspects**  
USE: **Sociological aspects**

**Societies**  
USE: **Organizations**

**Socioeconomic aspects**  
RT: Globalization  
Sociological aspects

**Sociological aspects**  
UF: Social aspects  
Sociology  
RT: Demography  
Socioeconomic aspects

**Sociology**  
USE: **Sociological aspects**

**Sound**  
UF: Acoustic surveys (atmosphere)  
Sonic Detection And Rangefinding  
RT: Acoustic imagery  
Lidar  
Meteorological instruments  
Remote sensing equipment

**Sodium**  
BT: Alkali metals  
RT: Sodium compounds  
Sodium isotopes

**Sodium compounds**  
BT: Alkali metal compounds  
NT: Sodium chloride  
RT: Dissolved salts  
Sodium

**Sodium isotopes**  
BT: Isotopes  
RT: Sodium

**Sofar**  
UF: Sound Fixing And Rangefinding  
BT: Position fixing  
RT: Sofar floats  
Sound channels

**Sofar floats**  
BT: Swallow floats  
RT: Sofar

**Soft roe**  
USE: **Roes**

**Soil conservation**  
BT: Conservation  
RT: Erosion control  
Soil erosion  
Soils

**Soil erosion**  
BT: Erosion  
RT: Soil conservation  
Soils  
Wind erosion

**Soil mechanics**  
BT: Mechanics  
RT: Cohesive sediments  
Compaction  
Consolidation  
Creep  
Elastic constants  
Elasticity  
Geotechnology  
Penetration depth  
Rock mechanics  
Sediment drifts  
Sediment properties  
Sediment stability  
Settlement (structural)  
Slope stability  
Soils  
Stress-strain relations  
Trenching  
Void ratio

**Soil properties**  
USE: **Sediment properties**

**Soil sampling**  
USE: **Sediment sampling**

**Soil stability**  
USE: **Slope stability**

**Soils**  
UF: Earth (soil)  
RT: Gravel  
Humus  
Mud  
Sand  
Sediments  
Soil conservation  
Soil erosion  
Soil mechanics

**Solar activity**  
UF: Sunspots  
RT: Astronomy  
Solar constant  
Solar radiation  
Solar-terrestrial activity  
Sun
Solar cells
BT: Electric power sources
RT: Solar power
Solar radiation
Sun

Solar constant
BT: Constants
RT: Climatic changes
Solar activity
Solar radiation
Sun

Solar diurnal tides
USE: Diurnal tides

Solar eclipse
UF: Eclipse (solar)
RT: Astronomy
Solar radiation
Sun

Solar power
BT: Energy resources
RT: Renewable resources
Solar cells
Solar radiation
Sun

Solar radiation
UF: Diffuse sky radiation
Global radiation
Net solar radiation
Short wave radiation
Sky radiation
BT: Electromagnetic radiation
NT: Reflected global radiation
RT: Albedo
Astronomy
Climate
Cloud cover
Energy flow
Infrared radiation
Insolation
Irradiance
Light
Light penetration
Photosynthesis
Phototaxis
Phototropism
Radiance
Radiation balance
Radiational tides
Radiative transfer
Solar activity
Solar cells
Solar constant
Solar eclipse
Solar power
Solar-terrestrial activity
Sun
Thermal radiation
Ultraviolet radiation

Solar semidiurnal tides
USE: Semidiurnal tides

Solar tides
SN: Before 1982 search also TIDES
BT: Tides
RT: Meteorological tides
Sun
Tidal constituents

Solar-terrestrial activity
UF: Extraterrestrial interactions
RT: Climatic changes
Sea level changes
Solar activity
Solar radiation
Sun
Teleconnections
Temperature anomalies

Solar eclipse
USE: Flatfish fisheries

Sole fisheries
USE: Current marks

Sole marks
USE: Current marks

Solid gas hydrates
USE: Gas hydrates

Solid hydrocarbons
USE: Hydrocarbons

Solid impurities
UF: Solid wastes
BT: Pollutants
NT: Litter
Plastic debris
Tar balls
RT: Flotsam

Solid wastes
USE: Solid impurities

Solidification
BT: Phase changes
RT: Freezing
Melting

Solifluction
USE: Creep

Solitary waves
BT: Shallow water waves
RT: Solitons
Surface gravity waves

Solitons
RT: Solitary waves

Solubility
BT: Chemical properties
NT: Gas solubility
RT: Chemical precipitation
Dissolution
Dissolved chemicals
Dissolved gases
Leaching
Saturation
Solutions
Solvation
Solvents

Solution
USE: Dissolution

Solutions
NT: Brines
Hydrothermal solutions
RT: Buffers
Dissolution
Dissolved chemicals
Dissolved gases
Dissolved inorganic matter
Dissolved organic matter
Emulsions
Exchange capacity
Saturation
Solubility
Solutions
Solvents

Solvation
NT: Hydration

Solvent extraction
BT: Separation processes
RT: Dissolution
Leaching

Solvents
BT: Agents
RT: Dispersants
Dissolution
Oil removal
Solubility
Solutions

Somatic mutations
USE: Mutations

Sonar
UF: Asdic
Sonar equipment
Sonar systems
BT: Remote sensing equipment
NT: Active sonar
Gloria
Passive sonar
RT: Acoustic equipment
Acoustic navigation
Electronic equipment
Radar
Sonar arrays
Sonar detection
Sonar imagery
Sonar receivers
Sonar targets
Sonar transducers
Sound propagation
Surveying equipment
Underwater equipment
Sonar arrays
BT: Acoustic arrays
RT: Sonar

Sonar buoys
USE: Sonobuoys

Sonar detection
UF: Acoustic detection
Sonar interception
BT: Detection
RT: Echo integrators
Echo ranging
Echolocation
Fish detection
Sonar

Sonar equipment
USE: Sonar

Sonar imagery
BT: Acoustic imagery
RT: Insonification
Sonar
Sonographs

Sonar interception
USE: Sonar detection

Sonar navigation
USE: Acoustic navigation

Sonar receivers
RT: Acoustic equipment
Sonar

Sonar systems
USE: Sonar

Sonar targets
RT: Acoustic equipment
Sonar

Sonar transducers
BT: Acoustic transducers
RT: Sonar

Sonar transponders
USE: Acoustic transponders

SOnic Detection And Rangefinding
USE: Sodar

Sonic tags
UF: Acoustic tags
Tags (acoustic)
BT: Tags
RT: Acoustic equipment
Biotelemetry
Sound waves

Sonic waves
USE: Sound waves

Sonobuoys
UF: Sonar buoys
BT: Buoys

Sound channels
UF: Acoustic channels
Channels (sound)
RT: Acoustics
Density stratification
Sofar
Sound velocity
Thermal stratification

Sound diffraction
UF: Acoustic wave diffraction
BT: Diffraction
RT: Sound
Sound dispersion
Sound propagation
Sound scattering

Sound dispersion
UF: Acoustic wave dispersion
BT: Dispersion
RT: Sound diffraction
Sound propagation
Sound reflection
Sound scattering
Sound velocity

Sound generation
UF: Generation (sound waves)
RT: Sound generators
Sound propagation

Sound generators
UF: Acoustic generators
Acoustic radiators
Noise generators
BT: Acoustic equipment
NT: Pingers
RT: Seismic energy sources
Sound
Sound generation
Sound production
Sound sources

Sound insulation
USE: Acoustic insulation

Sound intensity
UF: Acoustic intensity
RT: Acoustic properties
Sound measurement

Sound measurement
UF: Acoustic measurement
BT: Measurement
RT: Sound intensity
Sound velocity

Sound pressure
BT: Pressure
RT: Sound
Sound attenuation

Sonar arrays
RT: Hydrophones
Passive sonar
Seismic equipment

Sonograms
USE: Sonographs

Sonographs
UF: Sonograms
RT: Active sonar
Gloria
Insonification
Seafloor mapping
Side scan sonar
Sonar imagery

Sorption
UF: Absorption (chemistry)
Chemisorption
NT: Adsorption
Desorption
RT: Surface properties

Sound
NT: Noise (sound)
RT: Acoustics
Insonification
Sound absorption
Sound diffraction
Sound generators
Sound pressure
Sound production
Sound propagation
Sound reflection
Sound refraction
Sound scattering
Sound sources
Sound transmission
Sound velocity

Sound absorption
UF: Absorption (sound)
Acoustic wave absorption
BT: Absorption (physics)
RT: Acoustic insulation
Sound
Sound attenuation
Sound propagation
Sound reflection
Sound scattering

Sound attenuation
UF: Acoustic wave attenuation
RT: Acoustic properties
Sound absorption
Sound pressure
Sound scattering
Sound transmission
Wave attenuation

Sound backscatter
USE: Backscatter

Sound baffles
USE: Acoustic insulation
Sound production
SN: Restricted to vocalization or other sources of sound production such as stridulation by animals. Before 1982 search SOUND PRODUCTION (BIOLOGICAL)
UF: Sound emission
Sound production (biological)
RT: Animal communication
Audition
Auditory stimuli
Bioacoustics
Biological noise
Echolocation
Larynx
Sound
Sound generators
Vocal organs
Vocalization behaviour

Sound production (biological)
USE: Sound production

Sound propagation
UF: Acoustic wave propagation
RT: Internal wave effects
Sonar
Sound
Sound absorption
Sound diffraction
Sound dispersion
Sound generation
Sound reflection
Sound refraction
Sound scattering
Sound transmission
Sound velocity

Sound properties
USE: Acoustic properties

Sound ranging
USE: Echo ranging

Sound ray paths
USE: Ray paths

Sound recorders
BT: Recording equipment
RT: Acoustic equipment
Acoustics
Audio recordings
Echosounders
Hydrophones
Oceanographic equipment

Sound recordings
USE: Audio recordings

Sound reflection
UF: Acoustic wave reflection
BT: Reflection
RT: Sound
Sound absorption
Sound propagation
Sound scattering
Target strength

Sound refraction
UF: Acoustic wave refraction
BT: Refraction
RT: Sound
Sound dispersion
Sound propagation
Sound scattering

Sound reverberation
USE: Reverberation

Sound scattering
UF: Acoustic wave scattering
Scattering (sound)
NT: Backscatter
Bottom scattering
Forward scattering
RT: Reverberation
Sound
Sound absorption
Sound attenuation
Sound diffraction
Sound dispersion
Sound propagation
Sound reflection
Sound refraction

Sound scattering layers
USE: Scattering layers

Sound sources
UF: Sound wave sources
RT: Sound generators

Sound spectra
SN: Before 1986 search also ACOUSTIC SPECTRA
UF: Acoustic spectra
BT: Spectra

Sound speed
USE: Sound velocity

Sound transmission
UF: Acoustic wave transmission
BT: Transmission
RT: Sound
Sound attenuation
Sound propagation

Sound transmission loss
USE: Transmission loss

Sound velocity
UF: Sound speed
Wave velocity (sound)
BT: Velocity
RT: Acoustic impedance
Acoustic properties
Sound
Sound channels
Sound dispersion
Sound measurement
Sound propagation

Sound wave sources
USE: Sound sources

Sound waves
SN: Sound waves and underwater transmission of sound waves
UF: Acoustic waves
Sonic waves
Underwater sound transmission
Waves (acoustic)
Waves (sound)
BT: Elastic waves
RT: Acoustic equipment
Acoustics
Biological noise
Echosounding
Ray paths
Sonic tags
Wave properties

Sounding (water depth)
USE: Bathymetry

Sounding lines
RT: Bathymetry
Depth measurement
Oceanographic equipment
Soundings

Soundings
SN: Charted depth of water
UF: Bathymetric observations
BT: Bathymetric data
RT: Bathymetry
Echosounding
Soundings lines
Water depth

Southern oscillation
BT: Oscillations
RT: Air temperature
Atmospheric circulation
El Nino phenomena
Sea level
Sea level pressure

Spalling
BT: Defects
RT: Deterioration

Spar buoys
BT: Buoy hulls

Sparkers
BT: Seismic energy sources

Spat
BT: Molluscan larvae
RT: Clam culture
Culch
Mussel culture
Oyster culture
Seed (aquaculture)

Spat collection
USE: Seed collection
Spatial analysis
SN: Analytical techniques to determine the spatial distribution of a variable, the relationship between the spatial distribution of variables, and the association of the variables of an area. It refers to the analysis of phenomena distributed in space and having physical dimensions (the location of, proximity to, or orientation of objects with respect to one another; relating to an area of a map as in spatial information and spatial analysis; referenced or relating to a specific location on the Earth's surface.
BT: Analytical techniques
RT: GIS
Modelling

Spatial distribution
USE: Geographical distribution

Spatial isolation
USE: Geographical isolation

Spatial variations
UF: Variations (space)
NT: Finestructure
Latitudinal variations
Microstructure
Regional variations
RT: Dimensions
Horizontal distribution
Quantitative distribution
Vertical distribution

Spawned salmon
USE: Kelt

Spawned trout
USE: Kelt

Spawners
USE: Spawning populations

Spawning
NT: Wild spawning
RT: Breeding
Nursery grounds
Reproductive behaviour
Reproductive cycle
Sexual reproduction
Spawning grounds
Spawning migrations
Spawning populations
Spawning seasons

Spawning grounds
NT: Artificial spawning grounds
RT: Fishing grounds
Nursery grounds
Redds
Spawning
Spawning migrations
Spawning populations
Spawning seasons

Spawning migrations
BT: Migrations
NT: Anadromous migrations
Catadromous migrations
RT: Amphihaline species
Oceanodromous migrations
Reproductive behaviour
Spawning
Spawning grounds
Spawning populations
Spawning seasons

Spawning populations
UF: Spawners
BT: Animal populations
RT: Spawning
Spawning grounds
Spawning migrations
Spawning seasons

Spawning seasons
RT: Seasons
Spawning
Spawning grounds
Spawning migrations
Spawning populations

Spear fishing
SN: Impaling fish with a spear from either above or below the water surface
BT: Catching methods
RT: Diving
Sport fishing
Wounding gear

Specialists
USE: Experts

Speciation (biological)
USE: Biological speciation

Speciation (chemical)
USE: Chemical speciation

Species
SN: Use of a more specific term is recommended
BT: Taxa
NT: Amphibiotes species
Amphihaline species
Associated species
Caverniculous species
Commercial species
Cosmopolite species
Domestic species
Dominant species
Endemic species
Indicator species
Introduced species
Migratory species
New species
Rare species
Relict species
Sedentary species
Sessile species
Sibling species

RT: Aquatic organisms
Biological speciation
Botany
Ecology
Zoology

Species composition
USE: Check lists

Species diversity
UF: Community diversity
Diversity index
Ecological diversity
Similarity index
RT: Biodiversity
Community composition
Dominant species
Ecological succession
Gene pool

Species extinction
UF: Extinction of species
RT: Mass extinctions
Nature conservation
Overfishing
Rare species

Specific gravity
USE: Rare species

Specific heat
UF: Heat capacity
BT: Thermal capacity
RT: Thermodynamic properties
RT: Enthalpy
Specific humidity
Thermal conductivity

Specific humidity
BT: Humidity
RT: Relative humidity
Specific heat

Specific volume
RT: Isopycnics
Specific volume anomalies
Thermal expansion
Volume
Water density

Specific volume anomalies
UF: Steric anomalies
BT: Anomalies
NT: Thermosteric anomalies
RT: Dynamic height anomaly
Specific volume
Water density
Specifications
RT: Design
  Performance assessment
  Prototypes
  Standards

Specificity
RT: Chemical reactions
  Host preferences
  Substrate preferences

Spectra
UF: Spectrum
NT: Absorption spectra
  Current spectra
  Directional spectra
  Energy spectra
  Frequency spectra
  Sound spectra
  Wave spectra

Spectral analysis
BT: Mathematical analysis
NT: Maximum entropy spectral analysis
RT: Data reduction
  Frequency analysis
  Signal processing
  Time series analysis
  Waveform analysis

Spectral composition
BT: Optical properties
RT: Colour
  Light penetration
  Spectrophotometers

Spectrochemical analysis
RT: Spectrophotometers

Spectrophotometers
BT: Photometers
RT: Spectral composition
  Spectrochemical analysis
  Spectroscopic techniques

Spectroscopic techniques
UF: Alpha spectroscopy
  Spectroscopy
BT: Analytical techniques
NT: Absorption spectroscopy
  Emission spectroscopy
  Fluorescence spectroscopy
  Gamma spectroscopy
  Infrared spectroscopy
  Mass spectroscopy
  X-ray spectroscopy
RT: Chromatographic techniques
  Colorimetric techniques
  Nuclear magnetic resonance
  Photometry
  Spectrophotometers

Speech distortion
RT: Communication

Speed
USE: Velocity

Speedometers
SN: Instruments for measuring vessel speed
BT: Measuring devices

Speleaeology
SN: The study of caves, their flora and fauna
UF: Speleology
RT: Cavernicolous species
  Caves
  Geomorphology

Spleen
BT: Excretory organs
RT: Lymphocytes

Spleen
BT: Measuring devices
NT: Barrier spits
RT: Deposition features

Splash zone
UF: Spray zone
RT: Corrosion
  Spray

Sperm
SN: Before 1986 search also
  SPERMATOZOA
UF: Spermatozoa
BT: Sexual cells
RT: Fecundity
  Polyspermy
  Semen
  Spermatogenesis
  Spermatophores

Spleen
BT: Excretory organs
RT: Lymphocytes

Splen!es
RT: Numerical analysis

Spoil
RT: Dredge spoil
  Waste disposal sites

Spoilage (fish)
USE: Fish spoilage

Sponge culture
BT: Cultures
RT: Marine aquaculture
  Sponge fisheries
  Sponges

Sponge fisheries
UF: Sponge harvesting
  BT: Fisheries
  RT: Fishing by diving
  Marine fisheries
  Sponge culture
  Sponges

Sponge harvesting
USE: Sponge fisheries

Sponges
BT: Animal products
RT: Sponge culture
  Sponge fisheries

Sporangia
RT: Asexual reproduction
  Spores
  Sporogenesis

Spore collection
USE: Seed collection

Spore formation
USE: Sporogenesis

spores
UF: Aplanospores
  Ascospores
  Basidiospores
  Blastospores
  Oospores
  Zoospores

Speech distortion
RT: Communication

Speech distortion
RT: Communication

Spectra
USE: Spectra

Speech distortion
RT: Communication

Spectra
USE: Spectra

Spiny lobster fisheries
USE: Lobster fisheries

Spits
BT: Beach features
NT: Barrier spits
RT: Deposition features

Splash zone
UF: Spray zone
RT: Corrosion
  Spray

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  Sponges

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  Spores
  Sporogenesis

Spore collection
USE: Seed collection

Spore formation
USE: Sporogenesis

Sporangia
RT: Asexual reproduction
  Spores
  Sporogenesis

Spore collection
USE: Seed collection

Spore formation
USE: Sporogenesis

Travel (bacteriology)
USE: Bacteriology

Travel (infectious disease)
USE: Infectious disease

Travel (virology)
USE: Virology

Travel (zoonosis)
USE: Zoonosis

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USE: Zoonosis

Travel (zoo...
ASFA THESAURUS

NT: Conidia
Resting spores
RT: Algal culture
Asexual reproduction
Atmospheric particulates
Bacteria
Budding
Encystment
Fossil spores
Fungi
Germination
Palynology
Seed collection
Sporangia
Sporogenesis
Sporophytes

Sporogenesis
UF: Spore formation
Sporogony
Sporulation
RT: Sporangia
Spores
Sporophytes

Sporogony
USE: Sporogenesis

Sporophytes
RT: Alternate reproduction
Spores
Sporogenesis

Sport fish
USE: Game fish

Sport fishing
SN: Any activities of fishing with recreation or water sports purposes
UF: Community fishing
Flyfishing
Recreational fishing
Spin fishing
BT: Fishing
Recreation
NT: Angling
RT: Fee fishing
Game fish
Ice fishing
Spear fishing
Sport fishing statistics

Sport fishing statistics
SN: Including number of sport fishermen and catches
UF: Creel census
BT: Fishery statistics
RT: Game fish
Sport fishing

Sporulation
USE: Sporogenesis

Spotted pest
USE: Vibriosis

Sprat fisheries
USE: Clupeoid fisheries

Spray
UF: Salt spray
Sea spray
BT: Hydrometers
RT: Droplets
Splash zone

Spray zone
USE: Splash zone

Spreading
USE: Dispersion

Spreading axis
USE: Spreading centres

Spreading centres
UF: Spreading axis
Spreading ridges
RT: Diverging plate boundaries
Plate divergence
Plate tectonics
Seafloor spreading

Spreading rate
USE: Seafloor spreading

Spray
USE: Atmospheric electricity

Stability
SN: Use of a more specific term is recommended
NT: Sediment stability
Ship stability
Slope stability
Vertical stability
RT: Ballast
Buoyancy
Equilibrium
Instability
Monin-Obukhov length
Stability constants
Stabilizing
Steady state

Stability (ecological)
USE: Ecological balance

Stability constants
BT: Constants
RT: Stability

Stability frequency
USE: Brunt-Vaisala frequency

Stabilization
USE: Stabilizing

Stabilized platforms
BT: Instrument platforms
NT: Towers

Stabilizers
UF: Stabilizing fins
RT: Ship motion
Ship stability
Stabilizing

Stabilizing
UF: Stabilization
RT: Heave compensators
Stability
Stabilizers

Stabilizing fins
USE: Stabilizers

Stacks
BT: Coastal landforms

Staff (personnel)
USE: Personnel

Stages (water)
USE: Water levels

Stagnant water
BT: Water
RT: Anoxic conditions
Dystrophic lakes
Hypolimnion
Sapropels
Wetlands
<table>
<thead>
<tr>
<th><strong>Staining</strong></th>
<th><strong>Statistical analysis</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>SN: Staining of tissues and organisms</td>
<td>UF: Chi square test</td>
</tr>
<tr>
<td>RT: Discolouration</td>
<td>Statistical methods</td>
</tr>
<tr>
<td>Dyes</td>
<td>Statistical tests</td>
</tr>
<tr>
<td>Marking</td>
<td>Statistics (mathematics)</td>
</tr>
<tr>
<td><strong>Stainless steel</strong></td>
<td>Tests for significant differences</td>
</tr>
<tr>
<td>BT: Steel</td>
<td>BT: Mathematical analysis</td>
</tr>
<tr>
<td>RT: Corrosion control</td>
<td>NT: Correlation analysis</td>
</tr>
<tr>
<td><strong>Standard depths</strong></td>
<td>Frequency analysis</td>
</tr>
<tr>
<td>SN: Recommended depths below sea surface at which water properties should be measured</td>
<td>Regression analysis</td>
</tr>
<tr>
<td>BT: depth</td>
<td>Time series analysis</td>
</tr>
<tr>
<td><strong>Standard ocean sections</strong></td>
<td>Variance analysis</td>
</tr>
<tr>
<td>SN: Routes along which oceanographic observations are made regularly over a period of time, e.g. Kola Section, Line P</td>
<td>Virtual population analysis</td>
</tr>
<tr>
<td>UF: Ocean data routes</td>
<td><strong>RT: Approximation</strong></td>
</tr>
<tr>
<td>BT: Oceanographic stations</td>
<td>Biometrics</td>
</tr>
<tr>
<td>RT: Fixed stations</td>
<td>Economic analysis</td>
</tr>
<tr>
<td>Hydrographic sections</td>
<td>Gaussian distribution</td>
</tr>
<tr>
<td>Oceanographic data</td>
<td>Graphical analysis</td>
</tr>
<tr>
<td>Oceanographic surveys</td>
<td>Kurtosis</td>
</tr>
<tr>
<td>Time series</td>
<td>Numerical analysis</td>
</tr>
<tr>
<td><strong>Standard sea water</strong></td>
<td>Prediction</td>
</tr>
<tr>
<td>BT: Sea water</td>
<td>Probability theory</td>
</tr>
<tr>
<td>RT: Artificial seawater</td>
<td>Random processes</td>
</tr>
<tr>
<td>Salinity measurement</td>
<td>Skewness</td>
</tr>
<tr>
<td><strong>Standard signals</strong></td>
<td>Statistical models</td>
</tr>
<tr>
<td>RT: Communication systems</td>
<td>Statistical sampling</td>
</tr>
<tr>
<td>Navigation</td>
<td>Statistical tables</td>
</tr>
<tr>
<td><strong>Standardization</strong></td>
<td>Statisticians</td>
</tr>
<tr>
<td>SN: Comparison of an instrument or device with a standard to determine its value in terms of an adopted unit</td>
<td>Statistics</td>
</tr>
<tr>
<td>NT: Calibration</td>
<td>Stochastic processes</td>
</tr>
<tr>
<td>RT: Intercomparison</td>
<td><strong>Statistical analysis</strong></td>
</tr>
<tr>
<td>Methodology</td>
<td>USE: Statistical charts</td>
</tr>
<tr>
<td>Standards</td>
<td>USE: Statistical tables</td>
</tr>
<tr>
<td>Terminology</td>
<td><strong>Statistical models</strong></td>
</tr>
<tr>
<td><strong>Standards</strong></td>
<td>BT: Mathematical models</td>
</tr>
<tr>
<td>UF: Codes of practice</td>
<td>RT: Operations research</td>
</tr>
<tr>
<td>NT: Codex standards</td>
<td>Probability theory</td>
</tr>
<tr>
<td>Practical salinity scale</td>
<td>Statistical analysis</td>
</tr>
<tr>
<td>RT: Acceptability</td>
<td>Statistics</td>
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<tr>
<td>Quality control</td>
<td>System analysis</td>
</tr>
<tr>
<td>Specifications</td>
<td><strong>Statistical sampling</strong></td>
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<tr>
<td>Standardization</td>
<td>SN: Before 1982 search</td>
</tr>
<tr>
<td>Terminology</td>
<td>SAMPLING (STATISTICAL)</td>
</tr>
<tr>
<td><strong>Standby vessels</strong></td>
<td>UF: Random sampling</td>
</tr>
<tr>
<td>USE: Emergency vessels</td>
<td>Sampling (statistical)</td>
</tr>
<tr>
<td><strong>Standing stock (in number)</strong></td>
<td>Stratified sampling</td>
</tr>
<tr>
<td>USE: Population number</td>
<td>BT: Sampling</td>
</tr>
<tr>
<td><strong>Standing stock (in weight)</strong></td>
<td>RT: Biological sampling</td>
</tr>
<tr>
<td>USE: Biomass</td>
<td>Probability theory</td>
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<tr>
<td><strong>Standing waves</strong></td>
<td>Statistical analysis</td>
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<tr>
<td><strong>Statistical models</strong></td>
<td>Statistical tables</td>
</tr>
<tr>
<td>UF: Clapotis</td>
<td>Statistics</td>
</tr>
<tr>
<td>Stationary waves</td>
<td><strong>Statistical tables</strong></td>
</tr>
<tr>
<td>BT: Oscillatory waves</td>
<td>USE: Statistical charts</td>
</tr>
<tr>
<td>RT: Hydraulic jump</td>
<td>Tables (statistical)</td>
</tr>
<tr>
<td>Seiches</td>
<td>BT: Tables</td>
</tr>
<tr>
<td>Wave reflection</td>
<td>NT: Scatter diagrams</td>
</tr>
<tr>
<td><strong>Statistical analysis</strong></td>
<td>RT: Graphical analysis</td>
</tr>
<tr>
<td>USE: Population number</td>
<td>Statistical analysis</td>
</tr>
<tr>
<td><strong>State governments</strong></td>
<td>Statistical sampling</td>
</tr>
<tr>
<td>USE: Governments</td>
<td>Statistics</td>
</tr>
<tr>
<td>State jurisdiction</td>
<td><strong>Statistical sampling</strong></td>
</tr>
<tr>
<td>USE: Jurisdiction</td>
<td><strong>Statistical tables</strong></td>
</tr>
<tr>
<td>State-of-the-art reviews</td>
<td>USE: Statistical analysis</td>
</tr>
<tr>
<td>USE: Literature reviews</td>
<td><strong>Statistical models</strong></td>
</tr>
<tr>
<td>States (political)</td>
<td>BT: Mathematical models</td>
</tr>
<tr>
<td>USE: Countries</td>
<td>RT: Operations research</td>
</tr>
<tr>
<td><strong>Static instability</strong></td>
<td>Probability theory</td>
</tr>
<tr>
<td>BT: Instability</td>
<td>Statistical analysis</td>
</tr>
<tr>
<td>RT: Vertical stability</td>
<td>Statistics</td>
</tr>
<tr>
<td><strong>Starvation</strong></td>
<td>System analysis</td>
</tr>
<tr>
<td><strong>Static stability</strong></td>
<td><strong>Statistical tables</strong></td>
</tr>
<tr>
<td>USE: Vertical stability</td>
<td>USE: Statistical charts</td>
</tr>
<tr>
<td>Static water culture</td>
<td>USE: Statistical tables</td>
</tr>
<tr>
<td>USE: Pond culture</td>
<td>Tables (statistical)</td>
</tr>
<tr>
<td><strong>Station keeping</strong></td>
<td><strong>Statistical tables</strong></td>
</tr>
<tr>
<td>BT: Deployment</td>
<td>USE: Statistical charts</td>
</tr>
<tr>
<td>Oceanographic stations</td>
<td>Tables (statistical)</td>
</tr>
<tr>
<td>Recovery</td>
<td>BT: Tables</td>
</tr>
<tr>
<td>Seamanship</td>
<td>NT: Scatter diagrams</td>
</tr>
<tr>
<td>Ship drift</td>
<td>RT: Graphical analysis</td>
</tr>
<tr>
<td><strong>Station lists</strong></td>
<td>Statistical analysis</td>
</tr>
<tr>
<td>BT: Data reports</td>
<td>Statistical sampling</td>
</tr>
<tr>
<td>RT: Logbooks</td>
<td>Statistics</td>
</tr>
<tr>
<td>Oceanographic stations</td>
<td><strong>Statistical tables</strong></td>
</tr>
<tr>
<td>Track charts</td>
<td>USE: Statistical charts</td>
</tr>
<tr>
<td>Stationary waves</td>
<td>USE: Statistical tables</td>
</tr>
<tr>
<td>USE: Standing waves</td>
<td>Tables (statistical)</td>
</tr>
<tr>
<td>Stations (oceanographic)</td>
<td>BT: Tables</td>
</tr>
<tr>
<td>USE: Oceanographic stations</td>
<td>NT: Scatter diagrams</td>
</tr>
<tr>
<td><strong>Standing crop (in number)</strong></td>
<td>RT: Graphical analysis</td>
</tr>
<tr>
<td>USE: Population number</td>
<td>Statistical analysis</td>
</tr>
<tr>
<td><strong>Standing crop (in weight)</strong></td>
<td>Statistical sampling</td>
</tr>
<tr>
<td>USE: Biomass</td>
<td>Statistics</td>
</tr>
</tbody>
</table>
Statistical tests  
USE: Statistical analysis

Statisticians  
BT: Scientific personnel  
RT: Statistical analysis

Statistics  
NT: Fishery statistics  
Household statistics  
Wave statistics  
RT: Biometrics  
Mathematics  
Statistical analysis  
Statistical models  
Statistical sampling  
Statistical tables  
Statisticians

Statistics (mathematics)  
USE: Statistical analysis

Statocysts  
BT: Balance organs  
RT: Statoliths

Statoliths  
RT: Statocysts

STD observations  
UF: Salinity-temperature-depth observations  
RT: CTD observations  
Hydrographic data  
STD profiles

STD probes  
USE: STD profilers

STD profilers  
UF: Salinity-temperature-depth profilers  
STD probes  
STD sensors  
BT: Profilers  
RT: Conductivity sensors  
CTD profilers  
Salinity measuring equipment  
Salinity profiles  
STD profiles  
Thermometers

STD profiles  
UF: Salinity temperature depth profiles  
Salinity-temperature-depth profiles  
BT: Vertical profiles  
RT: Hydrographic data  
STD observations  
STD profilers  
Temperature profiles

STD sensors  
USE: STD profilers

Steady state  
RT: Equilibrium  
Perturbations  
Stability  
Unsteady state

Steam fog  
USE: Fog

Steel  
BT: Ferrous alloys  
NT: Stainless steel  
RT: Metals  
Reinforced concrete  
Steel structures

Steel platforms  
USE: Steel structures

Steel structures  
UF: Steel platforms  
BT: Structures  
RT: Concrete structures  
Offshore structures  
Steel

Steel wire  
USE: Wire rope

Steering systems  
RT: Manoeuvrability  
Positioning systems  
Propulsion systems  
Ship technology  
Vehicles

Stems  
BT: Plant organs  
RT: Rhizomes  
Stomata

Stenohaline organisms  
USE: Stenohalinity

Stenohalinity  
UF: Stenohaline organisms  
BT: Biological properties  
RT: Euryhalinity  
Salinity tolerance

Stenothermal organisms  
USE: Stenothermy

Stenothermy  
UF: Stenothermal organisms  
BT: Biological properties  
RT: Eurythermy  
Temperature tolerance

Steric sea level  
BT: Sea level  
RT: Isostatic sea level

Sterility  
SN: Natural or artificial sterility by irradiation or removal of reproductive organs  
RT: Animal reproductive organs  
Castration  
Ovaries  
Testes

Sterilization  
NT: Ozonation  
Ultraviolet sterilization  
RT: Ionizing radiation  
Ultraviolet radiation

Steroids  
BT: Lipids  
NT: Sterols  
RT: Drugs  
Hormones

Sterols  
UF: Sitosterols  
BT: Steroids  
NT: Cholesterol  
Fucosterol  
RT: Alcohols

Stickwater  
UF: Fish solubles  
BT: Processed fishery products  
RT: Byproducts  
Fish oils  
Fish wastes

Still water level  
USE: Sea level

Stimulants (growth)  
USE: Growth regulators

Stimuli  
SN: Stimuli and their effects on aquatic organisms  
NT: Auditory stimuli  
Chemical stimuli  
Electric stimuli  
Light stimuli  
Mechanical stimuli  
Tactile stimuli  
Thermal stimuli  
Visual stimuli  
RT: Behavioural responses  
Biological stress  
Learning behaviour  
Orientation behaviour  
Sense functions  
Tropism

Stinging organisms  
USE: Noxious organisms
ASFA THESAURUS

Stinging organs
UF: Nematocysts
RT: Electric organs
Noxious organisms
Venom apparatus

Stochastic models
USE: Mathematical models

Stochastic processes
RT: Mathematical models
Operations research
Probability theory
Random processes
Statistical analysis
Time series analysis

Stock assessment
UF: Stock evaluation
RT: Catch statistics
Catch/effort
Census
Exploratory fishing
Fishery surveys
Landing statistics
Population characteristics
Population number
Population structure
Stock identification
Stocks
Virtual population analysis

Stock density
USE: Population density

Stock depletion
USE: Depleted stocks

Stock evaluation
USE: Stock assessment

Stock identification
RT: Meristic counts
Population genetics
Racial studies
Stock assessment
Subpopulations

Stocking (organisms)
UF: Restocking
RT: Aquaculture
Aquatcure techniques
Density dependence
Ranching
Seeding (aquaculture)
Stocking density
Stocking ponds
Transplantation

Stocking density
UF: Crowding
Density (stocking)
RT: Biotic factors
Density dependence
Overcrowding
Population density

Stocking (organisms)
Stocking operations
USE: Stocking (organisms)

Stocking ponds
RT: Stocking (organisms)
Stocking density

Stocks
SN: The exploitable group of individuals of the same species existing in a particular area at a particular time
UF: Fish stocks
Wild fish stocks
NT: Brood stocks
Depleted stocks
Shared stocks
Straddling stocks
Unit stocks
RT: Animal populations
Fishery resources
Stock assessment

Stokes drift
USE: Wave drift velocity

Stokes law
RT: Particle settling
Settling rate
Viscosity

Stokes waves
BT: Nonlinear waves

Stoma
USE: Stomata

Stomach
BT: Alimentary organs
Secretory organs
NT: Masticatory stomach
RT: Pyloric caeca
Stomach content

Stomach content
RT: Food consumption
Gastric evacuation
Stomach

Stomata
UF: Stoma
RT: Leaves
Plant physiology
Respiration
Rhizomes
Stems
Transpiration

Stoneley waves
USE: Surface seismic waves

Storage
SN: Use of a more specific term is recommended; consult narrower terms listed below
UF: Capacity (storage)
NT: Cold storage
Data storage
Fish storage
Sample storage
RT: Storage conditions
Storage effects
Storage life
Storage tanks

Storage (fish)
USE: Fish storage

Storage conditions
UF: Storage humidity
Storage temperature
RT: Air temperature
Humidity
Storage
Storage effects
Storage life

Storage effects
SN: Any action of storage on the quality of processed fishery products, sediment samples and water samples, etc.
RT: Quality control
Storage
Storage conditions
Storage life

Storage humidity
USE: Storage conditions

Storage life
UF: Shelf life
RT: Quality assurance
Storage
Storage conditions
Storage effects

Storage tanks
BT: Tanks
RT: Storage

Storage temperature
USE: Storage conditions

Storm surge barriers
UF: Tidal barriers
BT: Barriers
Coast defences
RT: Storm surges
Tidal barrages
Tide-surge interaction

Storm surge forecasts
USE: Storm surge prediction

Storm surge generation
BT: Wave generation
RT: Storm surges
Storm surge prediction
UF: Storm surge forecasts
BT: Prediction
RT: Storm surges
Storm tide warning services

Storm surges
UF: Storm tides
Surges (storm)
BT: Surface water waves
Surges
NT: Hurricane waves
RT: Catastrophic waves
Disasters
Flooding
Floods
Meteorological tides
Shallow water waves
Storm surge barriers
Storm surge generation
Storm surge prediction
Storm tide warning services
Surface gravity waves
Tide-surge interaction
Wind setup

Storm tide warning services
BT: Warning services
RT: Storm surge prediction
Storm surges
Storm tides
USE: Storm surges

Storms
UF: Gales
BT: Weather hazards
NT: Hurricanes
Thunderstorms
RT: Tornadoes
Winds

Stormwater runoff
BT: Runoff

Straddling stocks
SN: Stock which occurs both within the EEZ and in an area beyond and adjacent to EEZ
BT: Stocks

Stream conservation
USE: Conservation

Stratification (density)
USE: Density stratification

Stratification (salinity)
USE: Salinity stratification

Stratification (thermal)
USE: Thermal stratification

Stratified flow
BT: Fluid flow
RT: Baroclinic mode
Barotropic mode
Destratification
Layers
Stratified flow
Water column

Stratigraphic correlation
BT: Geological correlation
RT: Geochronometry
Sediments
Stratigraphy

Stratigraphic systems
USE: Geological time

Stratigraphic traps
RT: Geological equipment
Stratigraphy

Stratigraphy
BT: Geology
NT: Biostratigraphy
Chronostratigraphy
Magnetostatigraphy
Oxygen isotope stratigraphy
Seismic stratigraphy
Seismic tomography
Sequence stratigraphy
RT: Geochronometry
Geological time
Isopach maps
Marine geology
Micropalaeontology
Palaeoclimatology
Palaeoecology
Palaeontology
Sediment structure
Stratigraphic correlation
Stratigraphic traps

Stratosphere
BT: Earth atmosphere
RT: Ionosphere
Tropopause
Troposphere

Stream ecology
USE: Freshwater ecology

Stream fisheries
USE: River fisheries

Stream flow
UF: River currents
River flow
BT: Water currents
RT: Backwash
Backwaters
Flood control
Fluid motion
Hydrodynamics
River discharge

Strain
BT: Deformation
RT: Elasticity
Poisson's ratio
Shear strength
Strain gauges
Stress (mechanics)
Stress-strain relations

Strain gauges
BT: Gauges
RT: Strain
Tiltmeters
Transducers

Strain seismometers
USE: Seismometers

Stratified sampling
USE: Statistical sampling

Stratified shear flow
BT: Shear flow
RT: Lee waves
Stratified flow

Stratigraphic correlation
BT: Geological correlation
RT: Geochronometry
Sediments
Stratigraphy

Stratigraphic systems
USE: Geological time

Stratigraphic traps
RT: Geological equipment
Stratigraphy

Stratigraphy
BT: Geology
NT: Biostratigraphy
Chronostratigraphy
Magnetostatigraphy
Oxygen isotope stratigraphy
Seismic stratigraphy
Seismic tomography
Sequence stratigraphy
RT: Geochronometry
Geological time
Isopach maps
Marine geology
Micropalaeontology
Palaeoclimatology
Palaeoecology
Palaeontology
Sediment structure
Stratigraphic correlation
Stratigraphic traps

Stratosphere
BT: Earth atmosphere
RT: Ionosphere
Tropopause
Troposphere

Stream conservation
USE: Conservation

Stream ecology
USE: Freshwater ecology

Stream fisheries
USE: River fisheries

Stream flow
UF: River currents
River flow
BT: Water currents
RT: Backwash
Backwaters
Flood control
Fluid motion
Hydrodynamics
River discharge

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River engineering
Rivers
Stream flow rate
Unidirectional flow
Watersheds

Stream flow rate
BT: Current velocity
RT: Rivers
Stream flow

Stream functions
RT: Coriolis parameters
Total Coriolis parameter
Dynamic height
Geostrophic equilibrium
Streamlines

Stream valleys
USE: River valleys

Streamers
BT: Cables
RT: Hydrophones
Oceanographic equipment
Seismic equipment
Sensors

Streamlines
BT: Map graphics
RT: Current charts
Current direction
Current vectors
Dynamic topography
Stream functions
Water currents

Streams
USE: Rivers

Strength
SN: Use for mechanical strength
BT: Mechanical properties
NT: Bearing capacity
Collapse strength
Compressive strength
Shear strength
Tensile strength
RT: Yield point

Stress
USE: Stress (mechanics)

Stress (biological)
USE: Biological stress

Stress (mechanics)
SN: Before 1995 search also STRESS
UF: Stress
BT: Forces (mechanics)
NT: Bottom stress
Compression
Reynolds stresses
Shear stress
Tension
Torque
Wind stress
RT: Biological stress

Elasticity
Fatigue (materials)
Mechanical properties
Shear strength
Strain
Stress-strain relations

Stress corrosion
BT: Corrosion
RT: Embrittlement
Fatigue (materials)
Metal fatigue

Stress-strain relations
RT: Deformation
Mechanical properties
Soil mechanics
Strain
Stress (mechanics)
Tensile strength

Striated muscles
USE: Muscles

Strike-slip faults
BT: Faults

Stringers
USE: Pipe stringers

Strip mine lakes
BT: Lakes
RT: Mine tailings
Pits

Stripping analysis
UF: Anodic stripping voltammetry
Cathodic stripping voltammetry
BT: Analytical techniques

Stromatolites
BT: Biogenic sedimentary structures
RT: Algae
Algal mats

Strontium
BT: Alkaline earth metals
RT: Strontium isotopes

Strontium isotopes
BT: Isotopes
RT: Rubidium-strontium dating
Strontium

Structural analysis
BT: Structural engineering
RT: Design
Mathematical analysis
Tolerances (dimensional)

Structural basins
BT: Basins
NT: Forearc basins
Marginal basins

RT: Ocean basins
Sedimentary basins
Tectonics

Structural domes
UF: Geological domes
BT: Folds
NT: Salt domes
RT: Diapirs

Structural dynamics
BT: Dynamics
RT: Dynamic loads
Structural engineering

Structural engineering
BT: Engineering
NT: Structural analysis
RT: Coastal engineering
Geotechnology
Hydraulic engineering
Offshore structures
River engineering
Settlement (structural)
Structural dynamics

Structural geology
BT: Geology
RT: Geological structures
Tectonics

Structural settlement
USE: Settlement (structural)

Structures
SN: Use only for man-made structures. Use of a more specific term is recommended
NT: Concrete structures
Cylindrical structures
Hydraulic structures
Perforated structures
Steel structures
RT: Legs (structural)
Settlement (structural)

Strumming
USE: Vibration

Stunting
RT: Growth

Stupefying methods
RT: Electric fishing
Electrified gear
Explosive fishing
Fish poisoning

Subaquoreal topography
BT: Topography (geology)

Subaqueous sediment transport
USE: Sediment transport
Sub-bottom profiling
SN: Profiling using systems employing discrete sound sources, e.g. echosounders
BT: Profiling
Seismic exploration
RT: Echosounding
Seismic reflection profiling

Subduction
SN: A continental plate of greater density forced beneath an adjoining plate
RT: Active margins
Forearc basins
Island arcs
Marginal basins
Obduction
Oceanic crust
Plate tectonics
Plates
Subduction zones

Subduction zones
RT: Benioff zone
Converging plate boundaries
Oceanic trenches
Plate convergence
Plate tectonics
Plates
Subduction

Sublittoral zone
BT: Littoral zone
RT: Nearshore sedimentation

Submarine banks
BT: Banks (topography)
Submarine features
RT: Fishing grounds
Mud banks
Sand banks
Shoals
Submarine bars
USE: Nearshore bars
Submarine basins
USE: Ocean basins

Submarine cable breaks
UF: Cable breaks
RT: Submarine cables

Submarine cables
BT: Electric cables
RT: Cable laying
Cable ships
Coaxial cables
Communication systems
Submarine cable breaks
Telephone systems

Submarine canyons
BT: Submarine features
RT: Continental shelves
Continental slope
Deep-sea fans
Submarine valleys
Thalweg

Submarine cements
SN: Chemically precipitated mineral material
UF: Cements (geology)
BT: Chemical sediments
RT: Authigenic minerals
Cementation
Submarine crust
USE: Oceanic crust

Submarine erosion
USE: Bottom erosion
Submarine escarpments
USE: Submarine scarps

Submarine fans
USE: Deep-sea fans
Submarine features
UF: Bottom features
Submarine topographic features
BT: Topographic features
NT: Abyssal plains
Continental margins
Continental ridges
Continental rise

Submarine geology
USE: Marine geology
Submarine ice profiles
USE: Ice canopy
Submarine permafrost
USE: Permafrost
Submarine pipelines
USE: Pipelines

Submarine plateaux
UF: Ocean plateaux
BT: Plateaux
Submarine features

Submarine ridges
UF: Oceanic ridges
BT: Ridges
NT: Aseismic ridges
Mid-ocean ridges
Seismic ridges
RT: Mountains
Sills
Submarine scarps

Submarine scarps
SN: Before 1984 search also SCARPS and UNDERWATER ESCARPMENTS
UF: Submarine escarpments
Underwater escarpments
BT: Escarpments
Submarine features
RT: Fault scarps
Median valleys
Submarine ridges
Submarine springs
SN: Offshore emergence of fresh water
UF: Water seepages
BT: Water springs

Submarine tankers
BT: Submarines
RT: Tanker ships

Submarine terraces
USE: Terraces

Submarine topographic features
USE: Submarine features

Submarine trenches
USE: Oceanic trenches

Submarine troughs
BT: Submarine features

Submarine valleys
BT: Submarine features
Valleys
RT: Drowned valleys
Submarine canyons

Submarine volcanoes
BT: Volcanoes
RT: Plate boundaries
Seamount chains
Submarine features

Submarines
SN: Use only for manned underwater vehicles designed for military purposes
BT: Manned vehicles
NT: Submarine tankers
RT: Nuclear propulsion
Submersibles
Undersea warfare

Submerged cages
UF: Bottom cages
Midwater cages
BT: Cages

Submerged shorelines
UF: Ria coasts
BT: Coasts
RT: Drowned valleys
Emergent shorelines
Epeirogeny
Fjords
Submergence
Transgressions

Submergence
RT: Epeirogeny
Retraction
Submerged shorelines
Transgressions

Submersible platforms
SN: Towed or self-propelled platforms supportable on flooded hulls
BT: Mobile platforms
RT: Caissons
Jackup platforms
Semisubmersible platforms

Submersibles
UF: Lockout submersibles
Manned submersibles
Submersibles (manned)
BT: Manned vehicles
NT: Wet submersibles
RT: Deep-sea diving
Diving bells
Diving equipment
Diving suits
Free-swimming vehicles
Mother ships
Self-propelled vehicles
Submarines

Submersibles (manned)
USE: Submersibles

Submersibles (unmanned)
USE: Unmanned vehicles

Suboceanic crust
USE: Oceanic crust

Subpopulations
SN: Subset of a population which comprises a self-sustained genetic unit
UF: Race
RT: Genotypes
Population genetics
Population structure
Racial studies
Stock identification
Unit stocks

Subsea production systems
RT: Oil and gas production
Wellheads

Subsidence
SN: Use only in tectonic context
BT: Epeirogeny
RT: Tectonics
Uplift
Subsistence aquaculture
USE: Small scale aquaculture

Subsistence fisheries
SN: A fishery where the fish caught are shared and consumed directly by the families
BT: Fisheries

Substrata
UF: Substrates (physical)
NT: Artificial substrata
RT: Benthic environment

Substrate affinities
USE: Substrate preferences

Substrate preferences
UF: Substrate affinities
RT: Algal settlements
Biological settlement
Colonization
Culch
Larval settlement
Specificity

Substrates (biochemistry)
SN: The material or substance on which an enzyme acts.

Substrates (physical)
USE: Substrata

Subsurface buoyancy floats
USE: Buoyancy floats

Subsurface currents
BT: Water currents
NT: Deep currents
RT: Bottom currents
Lake currents
Ocean currents

Subsurface deposits
BT: Mineral deposits
NT: Fossil fuels
Phosphate deposits
RT: Deep-sea mining
Oil sands
Oil shale
Ores
Potash deposits
Salt deposits

Subsurface drifters
UF: Floats (subsurface)
Subsurface floats
BT: Drifters
NT: Seabed drifters
Swallow floats
RT: Lagrangian current measurement

Subsurface floats
USE: Subsurface drifters

Subsurface water
BT: Water masses

Subtropical convergences
BT: Oceanic convergences
RT: Gyres
Oceanic fronts
Subtropical gyres
USE: Gyres

Subtropical jet stream
USE: Jet stream

Subtropical zones
BT: Climatic zones

Succession (ecological)
USE: Ecological succession

Suffocation
USE: Asphyxia

Sugars
USE: Saccharides

Sulfide deposits
USE: Sulphide deposits

Sulfur
USE: Sulphur

Sulphate minerals
BT: Minerals
NT: Anhydrite
Barite
Gypsum
Kainite
Polyhalite
RT: Sulphates
Sulphide deposits

Sulphate reduction
BT: Reduction
RT: Biogeochemistry
Sulphates

Sulphates
SN: Before 1982 search
SULPHUR COMPOUNDS
BT: Sulphur compounds
NT: Carbon sulphides
Hydrogen sulphide
Iron sulphides
RT: Sulphide deposits
Sulphide minerals

Sulphides
SN: Before 1982 search
SULPHUR COMPOUNDS
BT: Sulphur compounds

Sulphonates
BT: Sulphur compounds

Sulphur
UF: Sulfur
BT: Nonmetals
RT: Sulphur compounds
Sulphur isotopes

Sulphur compounds
BT: Chemical compounds
NT: Sulphates
Sulphides
Sulphites
Sulphonates
Sulphur oxides
RT: Sulphur
Sulphurous acid
Volatile compounds

Sulphur dioxide
BT: Sulphur oxides

Sulphur isotopes
BT: Isotopes
RT: Sulphur

Sulphur oxides
BT: Oxides
Sulphur compounds
NT: Sulphur dioxide

Sulphuric acid
BT: Inorganic acids
RT: Sulphur compounds

Summaries
USE: Abstracts

Summer
BT: Seasons

Sun
RT: Astronomy
Solar activity
Solar cells
Solar constant
Solar eclipse
Solar power
Solar radiation
Solar tides
Solar-terrestrial activity

Sun dried products
USE: Dried products

Sunburn
SN: Pathological condition
ascribed to excessive level of ultraviolet irradiation
BT: Fish diseases
RT: Environmental diseases

Sunspots
USE: Solar activity

Supersaturation
BT: Saturation
RT: Chemical precipitation
Dissolution
Solubility

Supply boats
BT: Ships
RT: Support ships

Support craft
USE: Support ships

Support ships
SN: Applied to auxiliary ships of fishing fleets and from 1981 also to vessels serving oil rigs and other offshore installations
UF: Support craft
Work boats
BT: Ships
NT: Factory ships
Mother ships
RT: Crane barges
Diving equipment
Emergency vessels
Fishing vessels
Supply boats
Tugs

Suppressing
USE: Damping

Suppressors
RT: Acoustic insulation
Damping

Supralittoral zone
UF: Supratidal zone
BT: Littoral zone
RT: Sabkhas

Suprarenal glands
USE: Adrenal glands

Supratidal zone
USE: Supralittoral zone

Surf
BT: Breaking waves
RT: Beaches
Surf zone
Surfing
Waves on beaches
<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surf beats</td>
<td>BT: Trapped waves</td>
</tr>
<tr>
<td>Surf zone</td>
<td>UF: Breaker zone&lt;br&gt; BT: Beach features&lt;br&gt; RT: Breaking waves&lt;br&gt; Longshore currents&lt;br&gt; Nearshore dynamics&lt;br&gt; Rip currents&lt;br&gt; Surf&lt;br&gt; Undertow&lt;br&gt; Wave dissipation&lt;br&gt; Waves on beaches</td>
</tr>
<tr>
<td>Surface active agents</td>
<td>USE: Surfactants</td>
</tr>
<tr>
<td>Surface activity</td>
<td>RT: Surface properties</td>
</tr>
<tr>
<td>Surface area</td>
<td>USE: Area</td>
</tr>
<tr>
<td>Surface boundary layer</td>
<td>USE: Atmospheric boundary layer</td>
</tr>
<tr>
<td>Surface chemistry</td>
<td>BT: Chemistry&lt;br&gt; RT: Air-water exchanges&lt;br&gt; Bubble bursting&lt;br&gt; Foams&lt;br&gt; Sea surface&lt;br&gt; Surface films&lt;br&gt; Surface microlayer&lt;br&gt; Surface properties&lt;br&gt; Surfactants</td>
</tr>
<tr>
<td>Surface circulation</td>
<td>UF: Near-surface circulation&lt;br&gt; BT: Water circulation&lt;br&gt; RT: Lake dynamics&lt;br&gt; Langmuir circulation&lt;br&gt; Ocean circulation&lt;br&gt; Surface currents&lt;br&gt; Wind-driven circulation</td>
</tr>
<tr>
<td>Surface clutter</td>
<td>UF: Sea clutter&lt;br&gt; Sea surface clutter&lt;br&gt; BT: Radar clutter</td>
</tr>
<tr>
<td>Surface craft</td>
<td>SN: Use of a narrower term is recommended&lt;br&gt; UF: Surface vessels&lt;br&gt; Vessels&lt;br&gt; BT: Vehicles&lt;br&gt; NT: Barges&lt;br&gt; Boats&lt;br&gt; Dredgers&lt;br&gt; Hovercraft&lt;br&gt; Hydrofoils&lt;br&gt; Inflatable craft&lt;br&gt; Ships&lt;br&gt; RT: Defence craft&lt;br&gt; Drilling vessels</td>
</tr>
<tr>
<td>Surface currents</td>
<td>BT: Water currents&lt;br&gt; NT: Contour currents&lt;br&gt; RT: Lake currents&lt;br&gt; Ocean currents&lt;br&gt; Surface circulation&lt;br&gt; Surface layers&lt;br&gt; Wind-driven currents</td>
</tr>
<tr>
<td>Surface drifters</td>
<td>BT: Drifters&lt;br&gt; NT: Drift bottles&lt;br&gt; Drift cards&lt;br&gt; Drifting data buoys&lt;br&gt; Drogues&lt;br&gt; RT: Flotsam</td>
</tr>
<tr>
<td>Surface Ekman layer</td>
<td>BT: Ekman layers&lt;br&gt; RT: Oceanic boundary layer&lt;br&gt; Wind-driven currents</td>
</tr>
<tr>
<td>Surface energy</td>
<td>USE: Surface tension</td>
</tr>
<tr>
<td>Surface films</td>
<td>UF: Films (surface)&lt;br&gt; Oil films&lt;br&gt; Slicks (surface)&lt;br&gt; NT: Monomolecular films&lt;br&gt; RT: Capillarity&lt;br&gt; Layers&lt;br&gt; Oil slicks&lt;br&gt; Sea surface&lt;br&gt; Slicks&lt;br&gt; Surface chemistry&lt;br&gt; Surface microlayer&lt;br&gt; Wave damping&lt;br&gt; Winds</td>
</tr>
<tr>
<td>Surface geometry (water waves)</td>
<td>USE: Wave geometry</td>
</tr>
<tr>
<td>Surface gravity waves</td>
<td>BT: Water waves&lt;br&gt; RT: Cnoidal waves&lt;br&gt; Nonlinear waves&lt;br&gt; Seiches&lt;br&gt; Solitary waves&lt;br&gt; Storm surges&lt;br&gt; Swell&lt;br&gt; Tsunamis&lt;br&gt; Wind waves</td>
</tr>
<tr>
<td>Surface layer temperature</td>
<td>USE: Surface temperature</td>
</tr>
<tr>
<td>Surface layers</td>
<td>BT: Water column&lt;br&gt; NT: Near-surface layer&lt;br&gt; Surface microlayer&lt;br&gt; Surface mixed layer&lt;br&gt; RT: Epilimnion&lt;br&gt; Langmuir circulation&lt;br&gt; Surface currents&lt;br&gt; Surface water&lt;br&gt; Surface water masses&lt;br&gt; Thermocline&lt;br&gt; Upper ocean&lt;br&gt; Wave interactions</td>
</tr>
<tr>
<td>Surface microlayer</td>
<td>BT: Surface layers&lt;br&gt; RT: Air-water interface&lt;br&gt; Monomolecular films&lt;br&gt; Near-surface layer&lt;br&gt; Sea surface&lt;br&gt; Surface chemistry&lt;br&gt; Surface films&lt;br&gt; Surface radiation temperature&lt;br&gt; Surfactants</td>
</tr>
<tr>
<td>Surface mixed layer</td>
<td>BT: Mixed layer&lt;br&gt; Surface layers&lt;br&gt; RT: Atmospheric forcing&lt;br&gt; Oceanic boundary layer&lt;br&gt; Thermocline&lt;br&gt; Thermocline decay&lt;br&gt; Upper ocean</td>
</tr>
<tr>
<td>Surface noise</td>
<td>SN: Wind-generated noise, wave breaking, etc.&lt;br&gt; UF: Wind-generated noise&lt;br&gt; BT: Ambient noise&lt;br&gt; RT: Shipping noise</td>
</tr>
<tr>
<td>Surface of no motion</td>
<td>USE: Level of no motion</td>
</tr>
<tr>
<td>Surface potential</td>
<td>RT: Surface properties</td>
</tr>
<tr>
<td>Surface properties</td>
<td>USE: Surface phenomena</td>
</tr>
</tbody>
</table>

268
Optical properties  
Physical properties  
Sea surface  
Sorption  
Surface activity  
Surface chemistry  
Surface potential  
Surface tension  
Surfaces  
Surfactants  
Water properties  
Wave geometry  
Windrows

**Surface radiation temperature**  
UF: Brightness temperature  
Skin temperature  
BT: Surface temperature  
RT: Air-water interface  
Sea surface  
Surface microlayer  
Terrestrial radiation

**Surface roughness**  
SN: Roughness of water surface  
BT: Roughness  
RT: Drag coefficient  
Reflectance  
Wind wave generation

**Surface salinity**  
UF: Sea surface salinity  
Water surface salinity  
BT: Salinity  
RT: Sea surface

**Surface seismic waves**  
SN: Use of a more specific term is recommended  
UF: Stoneley waves  
Surface waves (seismic)  
BT: Seismic waves  
NT: Love waves  
Rayleigh waves  
RT: Ground motion

**Surface slope**  
UF: Sea level slope  
Sea surface slope  
Water surface slope  
RT: Dynamic topography  
Geostrophic flow  
Sea level  
Sea surface  
Surface topography  
Wave slope

**Surface stress**  
USE: Wind stress

**Surface temperature**  
SN: Before 1985 search also SEA  
SURFACE TEMPERATURE  
UF: Bucket temperature  
Ocean surface temperature  
Sea surface temperature  
Surface layer temperature  
Water surface temperature  
BT: Water temperature  
NT: Intake temperature  
Surface radiation temperature  
RT: Sea surface

**Surface tension**  
UF: Interfacial tension  
Surface energy  
BT: Tension  
RT: Capillarity  
Capillary waves  
Flotation  
Interface phenomena  
Surface properties  
Surfactants  
Surface tension waves  
USE: Capillary waves

**Surface topography**  
SN: Before 1984 search also SEA  
SURFACE TOPOGRAPHY  
UF: Sea surface topography  
Water surface topography  
BT: Topography  
RT: Dynamic topography  
Geoid  
Geoid anomalies  
Marine geodesy  
Satellite altimetry  
Sea level  
Sea level measurement  
Sea surface  
Surface slope

**Surface vessels**  
USE: Surface craft

**Surface water**  
BT: Water  
RT: Bottom water  
Epilimnion  
Evaporation  
Shallow water  
Surface layers  
Surface water masses  
Surface water waves  
USE: Water bodies

**Surface water masses**  
BT: Water masses  
RT: Surface layers  
Surface water  
Upper ocean

**Surface water waves**  
UF: Ocean waves  
Surface waves (water)  
BT: Water waves  
NT: Breaking waves  
Capillary waves  
Long-crested waves  
Seiches  
Short-crested waves  
Significant waves

**Surfaces**  
NT: Erosion surfaces  
Isobatic surfaces  
Isopycnic surfaces  
Sea surface  
RT: Area  
Boundaries  
Interfaces  
Layers  
Levels  
Surface properties

**Surfacing behaviour**  
BT: Behaviour

**Surfactants**  
UF: Surface active agents  
BT: Agents  
RT: Detergents  
Dispersants  
Soaps  
Surface chemistry  
Surface microlayer  
Surface properties  
Surface tension

**Surfing**  
BT: Recreation  
RT: Bathing  
Surf

Storm surges  
Swell  
Tidal waves  
Tsunamis  
Wind waves  
RT: Design wave  
Directional spectra  
Extreme waves  
Interfacial waves  
Near-surface layer  
Sea state  
Sea state scales  
Sea surface  
Short wave-long wave interactions  
Wave analysis  
Wave damping  
Wave geometry  
Wave measuring equipment  
Wave scouring

Surface wave recorders  
USE: Wave recorders

**Surface wave-internal wave interactions**  
BT: Wave-wave interaction  
RT: Dead water  
Internal wave generation  
Internal waves

Surface waves (seismic)  
USE: Surface seismic waves

Surface waves (water)  
USE: Surface water waves

**Surfaces**  
NT: Erosion surfaces  
Isobatic surfaces  
Isopycnic surfaces  
Sea surface  
RT: Area  
Boundaries  
Interfaces  
Layers  
Levels  
Surface properties

**Surfacing behaviour**  
BT: Behaviour

**Surfactants**  
UF: Surface active agents  
BT: Agents  
RT: Detergents  
Dispersants  
Soaps  
Surface chemistry  
Surface microlayer  
Surface properties  
Surface tension

**Surfing**  
BT: Recreation  
RT: Bathing  
Surf
Surge response
  BT: Dynamic response
  RT: Buoy motion effects
  Surging

Surge waves
  USE: Surges

Surges
  UF: Surge waves
  NT: Storm surges
  RT: Seiches
    Tides
    Wave period
    Wind waves

Surges (beach)
  USE: Wave runup

Surges (seiches)
  USE: Seiches

Surges (storm)
  USE: Storm surges

Surge-tide interaction
  USE: Tide-surge interaction

Surging
  BT: Ship motion
  RT: Buoy motion effects
  Surge response

Surimi
  USE: Minced products

Surrounding nets
  UF: Lampara nets
  BT: Fishing nets
  NT: Purse seines
  RT: Seiners
    Seining

Surveillance and enforcement
  SN: Surveillance of marine space
    and enforcement of related laws
  UF: Law enforcement
    Ocean surveillance
    Offshore protection
    Protection (security)
    Vessel seizure
  RT: Coastguards
    Defence craft
    Detection
    Fishery protection
    Military operations
    Protection vessels
    Security

Survey vessels
  RT: Hydrographic surveying
    Hydrographic surveys
    Research vessels
    Surface craft

Surveying
  SN: Use of a more specific term is recommended
  NT: Hydrographic surveying
    Surveying underwater
    Topographic surveying
  RT: Cartography
    Compasses
    Locating
    Mapping
    Sampling
    Surveying equipment
    Surveys

Surveying equipment
  BT: Equipment
  RT: Airborne equipment
    Diving equipment
    Photographic equipment
    Remote sensing equipment
    Sonar
    Surveying

Surveying underwater
  UF: Underwater surveying
  BT: Surveying
    Working underwater
  RT: Diving
    Diving surveys
    Photogrammetry
    Seafloor sampling
    Sediment sampling
    Site surveys
    Stereophotography
    Underwater exploration
    Underwater photography
    Wreck location

Surveys
  SN: Use of a more specific term is recommended
  NT: Aerial surveys
    Aeromagnetic surveys
    Biological surveys
    Diving surveys
    Echo surveys
    Environmental surveys
    Fishery surveys
    Frame surveys
    Geochemical surveys
    Geological surveys
    Hydrographic surveys
    Resource surveys
    Site surveys
  RT: Baseline studies
    Bench marks
    Cartography
    Census
    Cruises
    Data collections
    Expeditions
    Exploration
    Mapping
    Surveying

Survival
  UF: Survival aptitude
  Survival rate
  RT: Ecophysiology
    Escapement
    Lethal limits
    Mortality
    Mortality causes
    Starvation
    Sublethal effects
    Tolerance
    Toxicity

Survival capsules
  USE: Lifeboats

Survival at sea
  RT: Hypothermia
    Life jackets
    Lifeboats
    Marine accidents
    Search and rescue

Survival of the fittest
  USE: Natural selection

Survival rate
  USE: Survival

Suspended inorganic matter
  SN: Before 1983 search also
    INORGANIC SUSPENDED
    MATTER
  UF: Inorganic suspended matter
  BT: Inorganic matter
  NT: Colloidal clay
  RT: Suspended organic matter
    Suspended particulate matter
    Turbidity
    Water colour

Suspended load
  SN: Sediment in transport
  UF: Suspended load transport
  BT: Sediment load
  RT: Bed load
    Resuspended sediments
    Resuspension
    Sediment transport
    Suspension

Suspended load transport
  USE: Suspended load

Suspended matter
  USE: Suspended particulate matter

Suspended organic matter
  SN: Before 1983 search also
    ORGANIC SUSPENDED
    MATTER
  UF: Organic suspended matter
  RT: Biogenic material
Detritus
Sapropels
Suspended inorganic matter
Suspended particulate matter
Turbidity
Water colour

Suspension particle motion
USE: Particle motion

Suspended particles
USE: Suspended particulate matter

Suspension feeders
USE: Filter feeders

Suspension
USE: Suspended particulate matter

Sustainability
SN: Ability to persist in the long-term. Often used as a "short hand" for sustainable development.
NT: Sustainable development
Sustainable fishing

Sustainable development
SN: Management and conservation of the natural resource base, and the orientation of technological and institutional change in such a manner as to ensure the attainment of continued satisfaction of human needs for present and future generations.
UF: Sustainable management
BT: Sustainability

Sustainable fishing
SN: Fishing activities that do not cause or lead to undesirable changes in the biological and economic productivity, biological diversity, or ecosystem structure and functioning from one human generation to the next.
UF: Responsible fisheries
BT: Sustainability

Sustainable management
USE: Sustainable development

Sustainable yield
USE: Potential yield

Sverdrup transport
BT: Transport
RT: Mass transport
Ocean circulation
Wind stress
Wind-driven circulation
Wind-driven currents

Swallow floats
UF: Neutrally buoyant floats
BT: Subsurface drifters
NT: Sofar floats
RT: Acoustic transponders
Pingers

Swamp fisheries
BT: Inland fisheries
RT: Swamps

Swamps
BT: Wetlands
NT: Mangrove swamps
RT: Deltas
Marshes

Swathing
BT: Ship motion

Swell
UF: Ground swell
BT: Surface water waves
NT: Rollers
RT: Beach cusps
Surface gravity waves
Wind waves

Swimming
SN: Restricted to aquatic organisms. For recreational swimming use BATHING.
UF: Air bladder
BT: Swamps
NT: Mangrove swamps
RT: Deltas

Swimming (recreation)
USE: Bathing

Swordfish fisheries
USE: Tuna fisheries

Symbionts
UF: Ectosymbionts
Endosymbionts
RT: Commensals
Epiphytes
Symbiosis
Zooxanthellae
Sympathetic nervous system
USE: Autonomic nervous system

Sympatric populations
SN: Populations of two or more closely related species living in the same geographical area or having overlapped geographical areas
RT: Allopatric populations
Geographical distribution
Population genetics

Symposia
USE: Conferences

Symptoms
UF: Syndromes
NT: Exophthalmia
Haemorrhage
Necroses
RT: Disease detection
Diseases
Medicine

Synapses
SN: Area of functional contact between two nerve cells
RT: Nervous system
Neurons
Neurotransmitters

Synclines
BT: Folds
RT: Anticlines
Geosynclines

Syndromes
USE: Symptoms

Synecology
UF: Biosociology
BT: Ecology
RT: Adaptations
Aquatic communities
Ecological associations
Environmental effects

Synergetic effects
USE: Synergism

Synergism
UF: Synergetic effects
Synergists
RT: Antagonism
Behaviour
Physiology
Synergists
USE: Synergism

Syngamy
USE: Biological fertilization

Synonymy
UF: Alternative name
Synonym
RT: Taxonomy
Terminology

Synonym
USE: Synonymy

Synopsis
SN: Comprehensive study on taxonomy and biology of a species
UF: Monographs
RT: Documents
Taxonomy

Synthetic aperture radar
BT: Microwave radar
RT: Scatterometers

Synthetic fibres
USE: Synthetic fibres

Synthetic fibre rope
USE: Fibre rope (synthetic)

Synthetic fibres
SN: Any types of synthetic fibres used for construction of nets, ropes, etc.
UF: Synthetic fibers
RT: Fibre rope (synthetic)
Netting materials
Plastics
Yarns

Synthetic sea water
USE: Artificial seawater

System analysis
SN: Including flow charting
UF: Systems analysis
RT: Computer programs
Mathematical models
Methodology
Operations research
Simulation
Statistical models

Systematics
USE: Taxonomy

Systems analysis
USE: System analysis

T/S curves
USE: T/S diagrams

T/S diagrams
UF: T/S curves
BT: Graphs
RT: Core layer method
Core layers (water)
Salinity
Vertical profiles

Water masses
Water temperature
Water types

Tag returns
USE: Tagging

Tag shedding
USE: Tags

Tagging
UF: Tag returns
RT: Biotelemetry
Marking
Tagging mortality
Tags
Tracking
Tagging mortality
BT: Mortality
RT: Tagging

Tags
SN: Before 1982 search TAGGING.
Restricted to tags for aquatic organisms
UF: Tag shedding
NT: Sonic tags
RT: Tagging

Tags (acoustic)
USE: Sonic tags

Talks
USE: Lectures

Talweg
USE: Thalweg

Tangential stresses
USE: Shear stress

Tangle
USE: Kelps

Tangle nets
USE: Gillnets

Tank cleaning
BT: Cleaning
RT: Tanks

Tanker loading
SN: Loading/unloading operations for oil tankers
RT: Floating hoses
Loading buoys
Offshore operations
Tanker ships
Tanker terminals

Tanker ships
UF: Oil tankers
Tankers
BT: Merchant ships
RT: Submarine tankers
Tanker loading
Tanker terminals

Tanker terminals
UF: Oil terminals
Terminals (oil)
BT: Harbours
NT: Deep-water terminals
Offshore terminals
RT: Gas terminals
Offshore docking
Tanker loading
Tanker ships

Tankers
USE: Tanker ships

Tanks
SN: Description of tanks, their construction and use
UF: Water tanks
BT: Containers
NT: Culture tanks
Evaporation tanks
Oil tanks
Storage tanks
Towing tanks
Wave tanks
RT: Tank cleaning

Tanner crab fisheries
USE: Crab fisheries

Tantalum
BT: Heavy metals

Tape recordings (sound)
USE: Audio recordings

Taphrogen
USE: Rifting

Tar
BT: Petroleum hydrocarbons
RT: Oil sands
Petroleum residues
Tar balls

Tar balls
BT: Solid impurities
RT: Oil pollution
Petroleum residues
Tar

Tar sands
USE: Oil sands

Target cells
BT: Receptors
RT: Antibodies
Hormones

Target strength
RT: Fish detection
Fish sizing
Sound reflection

Tarns
USE: Glacial lakes

Taste
SN: Before 1982 search ORGANOLEPTIC PROPERTIES
UF: Flavor
Flavour
Gustation
BT: Organoleptic properties
RT: Off flavour
Palatability
Taste functions
Taste tests

Tax functions
BT: Sense functions
RT: Taste
Taste organs

Tax organs
BT: Sense organs
RT: Chemoreceptors
Taste functions

Tax tests
UF: Flavour tests
Palatability tests
BT: Tests
RT: Palatability
Taste

Tax rates
USE: Taxes

Taxa
NT: New taxa
Species
RT: Taxonomy

Taxation
USE: Taxes

Taxes
UF: Rates and taxes
Tax rates
Taxation
RT: Operational costs

Taxis
BT: Orientation behaviour
NT: Chemotaxis
Phototaxis
Rheotaxis

Taxonomic keys
USE: Identification keys

Taxonomists
BT: Biologists
RT: Algologists
Botanists
Carcinologists
Entomologists
Ichthyologists
Malacologists
Zoologists

Taxonomy
UF: Biological classification
Classification (biological)
Systematics
BT: Classification
NT: Chemotaxonomy
Numerical taxonomy
Serological taxonomy
RT: Biological speciation
Botany
Cladistics
Holotypes
Identification keys
Meristic counts
Microbiology
Organism morphology
Palaeontology
Palynology
Phylogenetics
Phylogeny
Synonymy
Synopsis
Taxa
Taxonomists
Typology
Zoology

Technicians
Technology transfer

Technology transfer
UF: Innovation processes
Transfer of technologies
RT: Development projects
Extension activities
International cooperation
Technology

Tectonic plates
USE: Plates

Tectonics
UF: Geotectonics
BT: Geology
NT: Epeirogeny
Orogeny
Plate tectonics
Vertical tectonics
RT: Marine geology
Nappes
Rifting
Structural basins
Structural geology
Subsidence
Tectonophysics

Tectonophysics
UF: Geodynamics
BT: Geophysics
RT: Continental drift
Earth crust
Moho
Tectonics

Teeth
BT: Mouth parts
RT: Radulae
Tektites
USE: Extraterrestrial material
Telecommunications
USE: Communication systems

Teleconnections
SN: Correlations between oceanographic and climatic events thousands of miles apart
RT: Air-sea interaction
El Nino phenomena
Ocean-atmosphere system
Solar-terrestrial activity
Temperature anomalies
Varves
Teledetection
USE: Geosensing
Telemetering
USE: Telemetry

Telemetry
UF: Telemetering
Telemetry systems

Telluric currents
UF: Earth currents
BT: Electric currents
RT: Coast effect
Geomagnetic field
Magneto telluric methods
Tidal currents

Tellurium
BT: Heavy metals
RT: Tellurium isotopes

Tellurium isotopes
BT: Isotopes
RT: Tellurium

Tellurometers
BT: Measuring devices

Telson
BT: Animal appendages

Temperate zones
BT: Climatic zones
**Temperature**
- BT: Thermodynamic properties
- NT: Air temperature
  - Body temperature
  - Low temperature
  - Potential temperature
  - Sediment temperature
  - Temperature (air-sea)
  - Transition temperatures
  - Water temperature
- RT: Heat
  - Heat budget
  - Heat transfer
  - Temperature anomalies
  - Temperature data
  - Temperature differences
  - Temperature fields
  - Temperature measurement
  - Temperature tolerance
  - Thermal radiation
  - Thermodynamics
  - Thermometers
  - Thermoreceptors

**Temperature (air-sea)**
- BT: Temperature
- RT: Hurricanes

**Temperature anomalies**
- BT: Anomalies
- RT: Solar-terrestrial activity
  - Teleconnections
- Temperature data
  - Temperature sections
  - Water temperature

**Temperature charts**
- SN: Charts showing distribution of water temperature
- BT: Hydrographic charts
- RT: Isotherms
  - Temperature data
  - Temperature sections
  - Water temperature

**Temperature contours**
- USE: Isotherms

**Temperature data**
- BT: Data
- NT: Water temperature data
- RT: Temperature
  - Temperature charts
  - Temperature differences
  - Temperature gradients
  - Temperature profiles
  - Temperature sections

**Temperature differences**
- NT: Air-water temperature difference
- RT: Artificial upwelling
  - Heat transfer
  - Temperature
  - Temperature data

**Temperature effects**
- BT: Environmental effects
  - Cold shock
    - Heat shock
  - Bioclimatology
  - Pyrolysis
  - Temperature preferences
  - Temperature tolerance
  - Thermal aquaculture
  - Thermal stimuli
  - Water temperature
  - Winterkill

**Temperature fields**
- BT: Fields
- RT: Temperature

**Temperature gradients**
- UF: Adiabatic lapse rates
  - Adiabatic temperature gradient
- NT: Geothermal gradient
- RT: Double diffusion
  - Temperature data
  - Temperature inversions
  - Temperature profiles
  - Thermal stratification
  - Thermal structure
  - Thermocline
  - Water temperature

**Temperature inversions**
- UF: Dicothermal layer
  - Temperature inversion layers
  - Vertical stability

**Temperature maximum layer**
- BT: Core layers (water)
  - Temperature minimum layer
  - Temperature profiles

**Temperature measurement**
- UF: Temperature measuring
  - BT: Measurement
  - NT: Geothermal measurement
  - RT: Temperature
  - Temperature measuring
  - USE: Temperature measurement

**Temperature minimum layer**
- BT: Core layers (water)
  - Temperature maximum layer
  - Temperature profiles

**Temperature preferences**
- SN: Optimum temperature conditions for an organism
  - UF: Preferred temperature
  - RT: Temperature effects
  - Temperature tolerance
  - Thermal aquaculture

**Temperature profiles**
- BT: Vertical profiles
  - STD profiles
  - Temperature data
  - Temperature gradients
  - Temperature maximum layer
  - Temperature minimum layer
  - Temperature sections
  - Water temperature

**Temperature sections**
- BT: Hydrographic sections
  - Cold water masses
  - Isotherms
  - Temperature charts
  - Temperature data
  - Temperature profiles
  - Vertical distribution
  - Water temperature

**Temperature tolerance**
- UF: Cold tolerance
  - Heat tolerance
  - Thermal tolerance
- BT: Tolerance
- RT: Aestivation
  - Cold resistance
  - Cryobiology
  - Eurythermy
  - Homiothermy
  - Indicator species
  - Stenothermy
  - Temperature
  - Temperature effects
  - Temperature preferences
  - Thermal stimuli
  - Thermoregulation

**Templates**
- SN: Pertains to underwater drilling
  - RT: Drilling
  - Wellheads

**Temporal distribution**
- BT: Distribution
  - NT: Monthly distribution
  - Seasonal distribution
  - RT: Geological time
  - Quantitative distribution
  - Temporal variations

**Temporal variations**
- UF: Changes (time)
  - Variations (time)
- NT: Long-term changes
  - Periodic variations
  - Short-term changes
- RT: Oscillations
  - Phenology
  - Temporal distribution
  - Time series
  - Time series analysis
  - Variability
Temporary plankton
USE: Meroplankton

Temporary ponds
SN: Natural water bodies which remain dry for part of the year
UF: Ephemeral lakes
Temporary waters
BT: Ponds
RT: Drought resistance
Droughts
Temporary waters
USE: Temporary ponds

Tenuous musculature
USE: Muscles

Tensile strength
BT: Strength
RT: Deformation
Elasticity
Poisson’s ratio
Shear strength
Stress-strain relations
Tension

Tensiometers
USE: Tensiometers

Tension
BT: Stress (mechanics)
NT: Surface tension
RT: Tensile strength

Tension leg platforms
UF: Tethered buoyant platforms
BT: Fixed platforms
RT: Floating structures

Tensimeters
UF: Tensiometers
BT: Measuring devices

Tentacles
BT: Animal appendages
NT: Sense tentacles
RT: Polyps

Tephra
BT: Volcanic rocks
NT: Volcanic breccia
Volcanic lapilli
RT: Ash layers
Clastics
Sedimentary rocks
Volcanic eruptions

Teratogens
SN: Agents that raise the incidence of congenital malformations
RT: Genetic abnormalities
Teratogens

Terbium
BT: Lanthanides

Terminals (oil)
USE: Tanker terminals

Terminology
SN: Standardization of common or scientific names and definition of technical or biological terms
UF: Definitions
Nomenclature
RT: Acronyms
Glossaries
Standardization
Standards
Synonymy
Thesaurus
Vernacular names

Terpenes
UF: Monoterpenes
BT: Polyunsaturated hydrocarbons
RT: Antibiotics
Seaweeds

Terraces
UF: Deep-sea terraces
Submarine terraces
BT: Topographic features
NT: Alluvial terraces
RT: Beach morphology
Fluvial morphology
Raised beaches
Strandlines
Wave-cut platforms

Terrestrial atmosphere
USE: Earth atmosphere

Terrestrial magnetism
USE: Geomagnetism

Terrestrial radiation
SN: Use for long wave radiation component of atmosphere
UF: Long wave radiation
Net terrestrial radiation
BT: Electromagnetic radiation
NT: Downward long wave radiation
Upward long wave radiation
RT: Cloud cover
Greenhouse effect
Infrared radiation
Radiation balance
Radiative transfer
Surface radiation temperature

Terrigenous deposits
USE: Terrigenous sediments

Terrigenous sediments
UF: Terrigenous deposits
BT: Sediments

Territorial behaviour
USE: Territoriality

Territorial boundaries
USE: Boundaries

Territorial seas
USE: Territorial waters

Terrestrial waters
UF: Territorial seas
BT: Ocean space
RT: Coastal states
Contiguous zones
Continental shelves
Exclusive economic zone
Fishing rights
International boundaries

Territoriality
SN: Animal behaviour related to defending a territory from intruders.
Before 1984 search also TERRITORIAL BEHAVIOUR
UF: Territorial behaviour
BT: Behaviour
RT: Aggressive behaviour
Competitive behaviour
Dominance hierarchies
Home range

Tertiary
SN: Before 1982 search TERTIARY PERIOD
BT: Cenozoic
NT: Neogene
Palaeogene

Test equipment
SN: Equipment used for testing apparatus and efficiency of gear
UF: Test facilities
BT: Equipment
RT: Electronic equipment
Hydraulic models
Laboratory equipment
Measuring devices
Sensors
Testing
Tests
Towing tanks
Wave tanks
Wind tunnels
Test facilities
USE: Test equipment

Test fishing
USE: Experimental fishing

Test methods
USE: Tests

Test organisms
BT: Aquatic organisms
RT: Bioassays
Indicator species
Toxicity tests

Tests
BT: Gonads
RT: Castration
Fecundity
Spermatogenesis
Sterility

Testing
NT: Biotesting
Materials testing
RT: Acceptability
Calibration
Inspection
Intercomparison
Performance assessment
Quality control
Test equipment
Tests

Tests
SN: More specific term is recommended
UF: Laboratory tests
Test methods
NT: Acceptance tests
Bioassays
Taste tests
Toxicity tests
RT: Accuracy
Analysis
Certification
Procedures
Quality assurance
Test equipment
Testing

Tests for significant differences
USE: Statistical analysis

Tethered buoyant platforms
USE: Tension leg platforms

Tethered free-swimming vehicles
BT: Free-swimming vehicles
Tethered vehicles

Tethered vehicles
SN: Underwater vehicles cable controlled and/or powered through a surface connecting cable. Before 1982 search TOWED BODIES

Thermal aquaculture
UF: Heated effluent systems
Thermal fish farming
BT: Aquaculture techniques
RT: Cage culture
Fish culture
Freshwater aquaculture
Open systems
Pond culture
Shellfish culture
Temperature effects
Thermal plumes
Thermal pollution
Warm-water aquaculture
Waste heat

Thermal capacity
USE: Specific heat

Thermal conductivity
UF: Conductivity (thermal)
BT: Thermodynamic properties
RT: Eddy conductivity
Geothermal gradient
Heat conduction
Heat flow
Ice properties
Specific heat
Thermal diffusivity
Water properties

Thermal convection
USE: Cellular convection

Thermal decomposition
BT: Degradation
RT: River plumes
Thermal plumes
Thermal pollution
Thermodynamic properties

Thermal diffusion
BT: Diffusion
RT: Thermal diffusivity
Thermal plumes

Thermal diffusivity
UF: Thermometric conductivity
BT: Thermodynamic properties
RT: Eddy diffusivity
Thermal conductivity
Thermal diffusion
Water properties

Thermal domes
RT: Thermal structure

Thermal effluents
USE: Thermal pollution

Thermal equilibrium
USE: Thermodynamic equilibrium

Thermodynamic properties
Thermal expansion
UF: Thermal expansion coefficient
BT: Thermodynamic properties
RT: Specific volume
Water properties

Thermal expansion coefficient
USE: Thermal expansion

Thermal fish farming
USE: Thermal aquaculture

Thermal fronts
BT: Fronts
Thermal imagery
USE: Infrared imagery

Thermal infrared imagery
USE: Infrared imagery

Thermal insulation
BT: Insulating materials
Thermal IR imagery
USE: Infrared imagery

Thermal microstructure
SN: Variations in the distribution of temperature on a scale of 10 cm or less
BT: Microstructure
RT: Water temperature

Thermal plumes
SN: Plumes caused by discharge of heated effluents in lakes, estuaries or marine coastal zones
BT: Plumes
RT: Thermal aquaculture
Thermal decomposition
Thermal diffusion
Thermal pollution
Water mixing

Thermal pollution
UF: Thermal effluents
BT: Pollution
RT: Cooling ponds
Cooling water
Heat
Radioactive wastes
Thermal aquaculture
Thermal decomposition
Thermal plumes
Thermodynamic properties
Water pollution
Water temperature

Thermal power
BT: Power from the sea
NT: Geothermal power
OTECE
RT: Artificial upwelling

Thermal properties
USE: Thermodynamic properties

Thermal radiation
UF: Heat radiation
BT: Radiations
RT: Electromagnetic radiation
Heat
Heat transfer
Solar radiation
Temperature
Thermodynamic properties
Ultraviolet radiation

Thermal springs (geothermal)
USE: Geothermal springs

Thermal springs (hot)
USE: Hot springs

Thermal springs (hydrothermal)
USE: Hydrothermal springs

Thermal stimuli
BT: Stimuli
RT: Body temperature
Temperature effects
Temperature tolerance
Thermodynamic properties
Thermoregulation

Thermal stratification
UF: Stratification (thermal)
BT: Stratification
RT: Cold water masses
Discontinuity layers
Epilimnion
Heat budget
Hypolimnion
Intermediate water masses
Metalimnion
Physical limnology
Physical oceanography
Sound channels
Temperature gradients
Temperature inversions
Temperature sections
Thermal structure
Thermocline
Thermodynamic properties
Water circulation
Water temperature

Thermal structure
RT: Atmospheric forcing
Hurricanes
Temperature gradients
Temperature sections
Thermal domes
Thermal stratification
Thermocline
Thermostads
Water temperature

Thermal tolerance
USE: Temperature tolerance
Thermistor arrays
USE: Thermistor chains

Thermistor chains
UF: Thermistor arrays
BT: Arrays
RT: Oceanographic equipment
Thermistors

Thermistors
RT: Electronic equipment
Flowmeters
Thermistor chains
XBTs

Thermocline
BT: Discontinuity layers
NT: Diurnal thermocline
Permanent thermocline
Seasonal thermocline
RT: Clines
Environmental factors
Epilimnion
Hypolimnion
Isotherms
Metalimnion
Mixed layer depth
Pycnocline
Surface layers
Surface mixed layer
Temperature gradients
Thermal stratification
Thermal structure
Thermocline decay
Vertical distribution
Water column
Water masses
Water temperature
Thermocline (lakes)
USE: Metalimnion

Thermocline decay
UF: Erosion (thermocline)
Thermocline erosion
RT: Surface mixed layer
Thermocline
Thermocline depth
USE: Mixed layer depth
Thermocline erosion
USE: Thermocline decay

Thermocouple arrays
BT: Arrays
RT: Thermocouples

Thermocouples
RT: Electronic equipment
Thermocouple arrays

Thermodynamic activity
UF: Activity coefficient
Chemical activity
BT: Thermodynamic properties
RT: Chemical equilibrium
Chemical reactions
Thermodynamics
Thermodynamic equilibrium
UF: Thermal equilibrium
BT: Equilibrium
Thermodynamic properties
RT: Chemical equilibrium
Thermodynamics

Thermodynamic properties
SN: Before 1982 search
THERMAL PROPERTIES
UF: Heat properties
Thermal properties
BT: Physical properties
NT: Entalphy
Entropy
Free energy
Specific heat
Temperature
Thermal conductivity
Thermal diffusivity
Thermal expansion
Thermodynamic activity
Thermodynamic equilibrium
RT: Chemical properties
Electrical properties
Heat
Thermal decomposition
Thermal pollution
Thermal radiation
Thermal stimuli
Thermal stratification
Thermodynamics
Vapour pressure

Thermodynamics
BT: Physics
RT: Adiabatic processes
Enthalpy
Entropy
Equations of state
Heat
Heat sinks
Heat transfer
Isothermal processes
Phase changes
Temperature
Thermodynamic activity
Thermodynamic equilibrium
Thermodynamic properties

Thermohaline circulation
BT: Ocean circulation
NT: Haline circulation
RT: Wind-driven circulation

Thermometers
UF: Deep-sea thermometers
Reversing thermometers
BT: Measuring devices
Bathythermographs
CTD profilers
STD profilers
Temperature

Thermometric conductivity
USE: Thermal diffusivity
Thermophototropism
USE: Phototropism

Thermoreceptors
BT: Receptors
RT: Temperature
Thermoregulation

Thermoregulation
UF: Thermoregulators
Thermoregulatory behaviour
RT: Aestivation
Body temperature
Dormancy
Hibernation
Homoiothermy
Poikilothermy
Temperature tolerance
Thermal stimuli
Thermoreceptors

Thermoregulators
USE: Thermoregulation
Thermoregulatory behaviour
USE: Thermoregulation

Thermostads
RT: Thermal structure
Water masses
Water temperature

Thermosteric anomalies
BT: Specific volume anomalies
RT: In situ density
Isothermal processes

Thesaurus
BT: Documents
RT: Terminology
Thiamine
USE: Vitamin B

Thickness
BT: Dimensions
NT: Crustal thickness
Ice thickness
RT: depth

Thixotropy
RT: Gels

Tholeiite
BT: Basalts
RT: Pyroxenes
Quartz
Silica
Tholeiitic basalt

Tholeiitic basalt
BT: Basalts
RT: Tholeiite

Thorax
BT: Body regions
RT: Animal appendages
Cephalothorax

Thorium
BT: Actinides
RT: Monazite

Thorium compounds
Thorium isotopes

Thorium compounds
BT: Actinide compounds
RT: Thorium

Thorium isotopes
BT: Isotopes
RT: Thorium
Thorium-230/thorium-232 dating

Thorium-230/thorium-232 dating
BT: Radiometric dating
RT: Thorium isotopes

Three phase flow
USE: Multiphase flow

Threonine
BT: Amino acids

Thrust faults
BT: Faults

Thrusters
BT: Propulsion systems
RT: Dynamic positioning
Propellers
Shipboard equipment

Thunderstorms
BT: Storms
RT: Lightning

Thymus
SN: Before 1982 search
ENDOCRINE GLANDS
BT: Endocrine glands

Thyroid
SN: Before 1982 search
ENDOCRINE GLANDS
UF: Parathyroid
BT: Endocrine glands
RT: Nervous system

Tidal amplitude
BT: Wave amplitude
RT: Astronomical tides
Tidal power
Tidal range
Tidal waves

Tidal analysis
BT: Wave analysis
RT: Fourier analysis
Harmonic analysis
Response analysis
Tidal constants
Tidal constituents
Tidal motion
Tidal perturbation
Tidal prediction
Tide generating potential
Tides
Time series analysis
Tidal barrages
BT: Barrages
RT: Storm surge barriers
Tidal power
Tidal power plants

Tidal barriers
USE: Storm surge barriers

Tidal bores
UF: Bores
Bores in estuaries
Eagre
Mascaret
BT: Shallow water waves
RT: Hydraulic jump

Tidal channels
USE: Tidal inlets

Tidal charts
UF: Corange charts
BT: Hydrographic charts
NT: Cotidal charts
RT: Current charts
Tidal prediction
Tide tables

Tidal components
USE: Tidal constituents

Tidal constants
UF: Harmonic tidal constants
Tidal harmonic constants
RT: Harmonic functions
Tidal analysis
Tidal constituents

Tidal constituents
SN: Before 1983 search also TIDAL COMPONENTS
UF: Harmonic tidal constituents
Partial tides
Tidal components
RT: Harmonic functions
Lunar tides
Pole tides
Radiational tides
Solar tides
Tidal analysis
Tidal constants

Tidal current charts
USE: Current charts

Tidal current tables
USE: Tide tables

Tidal currents
UF: Tidal flow
Tidal stream
BT: Water currents
NT: Ebb currents
Flood currents
Rotary currents
RT: Estuarine dynamics
Longshore currents
Oscillatory flow
Telluric currents
Tidal inlets
Tidal mixing
Tidal waves
Tide tables
Tides

Tidal curves
UF: Marigram
BT: Analog records
RT: Tidal records

Tidal datum
BT: Datum levels
RT: Mean sea level
Tide gauges

Tidal deposits
RT: Estuarine sedimentation
Intertidal sedimentation
Sediments
Shell sedimentation
Trace fossils

Tidal dissipation
UF: Tidal energy dissipation
BT: Wave dissipation
RT: Tidal energy
Tidal friction
Tidal power

Tidal dynamics
BT: Wave dynamics
RT: Tidal motion
Tidal propagation
Tidal waves
Tides

Tidal effects
BT: Environmental effects
RT: Beach erosion
Tides

Tidal elevation
USE: Tidal range

Tidal energy
SN: Used for the natural energy bound up in tidal motion of water bodies. For exploitation of that energy, e.g. for generating electricity, use TIDAL POWER
BT: Wave energy
RT: Tidal dissipation
Tidal friction
Tidal power

Tidal energy dissipation
USE: Tidal dissipation

Tidal environment
USE: Intertidal environment

Tidal equations
BT: Equations
RT: Laplace equation
Numerical analysis

Tidal flats
UF: Intertidal flats
BT: Coastal landforms
RT: Coastal zone
Estuarine sedimentation
Intertidal environment
Intertidal sedimentation
Mud
Mud banks
Salt marshes
Tides

Tidal flow
USE: Tidal currents

Tidal friction
BT: Friction
RT: Bottom friction
Earth rotation
Tidal dissipation
Tidal energy

Tidal harmonic constants
USE: Tidal constants

Tidal inlets
UF: Tidal channels
BT: Coastal inlets
RT: Barrier islands
Channels
Estuaries
Flushing
Tidal currents

Tidal loading
USE: Ocean loading

Tidal mixing
UF: Tidal stirring
BT: Water mixing
RT: Shelf dynamics
Tidal currents

Tidal models
BT: Mathematical models
RT: Tidal cycles

Tidal motion
SN: Only to be used for general treatment of tidal motion in hydrosphere, atmosphere and solid earth
BT: Motion
NT: Atmospheric tides
Earth tides
Tides

Tidal range
ASFA THESAURUS

RT: Fluid motion
   Tidal analysis
   Tidal dynamics

Tidal oscillations
BT: Oscillations
RT: Tidal resonance

Tidal perturbation
BT: Perturbations
RT: Nodal tides
Tidal analysis

Tidal pools
UF: Rock pools
   Tide pools
RT: Intertidal environment

Tidal power
BT: Power from the sea
RT: Hydroelectric power
   Tidal amplitude
   Tidal barrages
   Tidal dissipation
   Tidal energy
   Tidal power plants
   Tidal range
   Tides
   Wave power

Tidal power plants
BT: Hydroelectric power plants
RT: Tidal barrages
   Tidal power

Tidal prediction
UF: Tide predicting machines
   Tide prediction
BT: Prediction
RT: Tidal analysis
   Tidal charts
   Tide tables
   Tides

Tidal propagation
BT: Wave propagation
RT: Cotidal charts
   Tidal dynamics
   Tidal waves

Tidal range
UF: Tidal elevation
RT: Cotidal lines
   Tidal amplitude
   Tidal cycles
   Tidal power

Tidal records
BT: Analog records
RT: Tidal curves
   Tide gauges

Tidal resonance
BT: Resonance
RT: Tidal oscillations
   Tidal scour
USE: Current scouring

Tidal stirring
USE: Tidal mixing

Tidal stream
USE: Tidal currents

Tidal waves
SN: Not to be used for TSUNAMIS
   UF: Poincare waves
   BT: Surface water waves
   RT: Intertidal environment
   Shallow water waves
   Tidal amplitude
   Tidal currents
   Tidal dynamics
   Tidal propagation
   Tides
   Tsunamis

Tide gauges
UF: Tide measuring equipment
   Tide pole
   Tide staff
   BT: Gauges
   NT: Deep-sea tide gauges
   RT: Pressure sensors
   Tidal datum
   Tidal records

Tide generating forces
USE: Tide generating potential

Tide generating potential
UF: Tide generating forces
   Tide potential
   RT: Tidal analysis

Tide measuring equipment
USE: Tide gauges

Tide pole
USE: Tide gauges

Tide pools
USE: Tidal pools

Tide potential
USE: Tide generating potential

Tide predicting machines
USE: Tidal prediction

Tide prediction
USE: Tidal prediction

Tide staff
USE: Tide gauges

Tide tables
UF: Tables (tides)
   Tide current tables
   BT: Tables
   RT: Current charts
   Current velocity
   Oceanographic tables
   Tidal charts
   Tidal currents
   Tidal prediction

Tides
SN: Use for general papers on tidal motion in oceans, seas, lakes etc.
   UF: Tides (hydrosphere)
   BT: Tidal motion
   NT: Astronomical tides
   Barotropic tides
   Diurnal tides
   Estuarine tides
   High tide
   Low tide
   Long-period tides
   Lunar tides
   Meteorological tides
   Neap tides
   Nodal tides
   Ocean tides
   Pole tides
   Radiational tides
   Semidiurnal tides
   Shallow water tides
   Solar tides
   Spring tides
   RT: Atmospheric tides
   Dynamical oceanography
   Earth tides
   Ecological zonation
   Moon phases
   Ocean loading
   Sea level
   Surges
   Tidal analysis
   Tidal currents
   Tidal cycles
   Tidal dynamics
   Tidal effects
   Tidal flats
   Tidal power
   Tidal prediction
   Tidal waves

Tides (atmospheric)
USE: Atmospheric tides

Tides (earth)
USE: Earth tides

Tides (hydrosphere)
USE: Tides

Tide-surge interaction
UF: Surge-tide interaction
   BT: Interactions
   Wave-wave interaction
   RT: Shallow water tides
   Storm surge barriers
   Storm surges

Tie-in
USE: Connecting

Tilapia culture
USE: Fish culture

Tilapia diseases
USE: Fish diseases
Tilapia industry
USE: Fishery industry

Tilapia nutrition
USE: Animal nutrition

Till
USE: Boulder clay

Tiltmeters
BT: Slope indicators
RT: Earth tides
Geophysical equipment
Seismology
Strain gauges

Time measuring equipment
USE: Chronometers

Time series
RT: Fixed stations
Oceanographic data
Probability theory
Standard ocean sections
Temporal variations
Time series analysis

Time series analysis
BT: Statistical analysis
RT: Correlation analysis
Fourier analysis
Harmonic analysis
Spectral analysis
Stochastic processes
Temporal variations
Tidal analysis
Time series

Timing devices
USE: Chronometers

Tin
BT: Heavy metals
RT: Cassiterite
Tin compounds
Tributyltin

Tin compounds
BT: Chemical compounds
RT: Tin
Tributyltin

Tissue culture
BT: Laboratory culture
RT: Cell culture
Culture media
Tissues

Tissue morphology
USE: Histology

Tissue transplants
USE: Transplants

Tissues
SN: Aggregation of similar cells having the same functions

UF: Biological tissues
NT: Connective tissues
Epithelia
Nervous tissues
RT: Anatomical structures
Animal organs
Calcification
Cells
Grafting
Histochemistry
Histology
Histopathology
Muscles
Plant organs
Tissue culture
Transplants
Ultrastructure

Titanium
UF: Sphere
BT: Silicate minerals

Titanium compounds
BT: Chemical compounds
RT: Titanium

Titration
UF: Amperometric titration
Chelatometric titration
Potentiometric titration
Titration techniques
BT: Analytical techniques
RT: Chemical reactions
Salinity measurement
Volumetric analysis

Titration techniques
USE: Titration

TOC
USE: Total organic carbon

Tocopherol
USE: Vitamin E

Todorokite
BT: Oxide minerals

Tolerance
BT: Biological properties
NT: Exposure tolerance
Pollution tolerance
Salinity tolerance
Temperature tolerance
Toxicity tolerance
RT: Adaptations
Biological resistance
Ecophysiology
Environmental effects

Lethal limits
Limiting factors
Survival

Tolerances (dimensional)
RT: Design
Structural analysis

Tombolos
BT: Beach features

Tomography
SN: A radiological technique that shows a single plane (slice) of the object under examination, typically a part of an organism. Also used in non-destructive materials testing.
UF: CAT scan
Computed tomography
Computerized axial tomography
CT scan
BT: Radiography
RT: Acoustic tomography
Anatomy
Imaging techniques
Materials testing
Nondestructive testing
Organism morphology

Tools (underwater)
USE: Diving tools

Topographic effects
SN: Influence of topography on fluid flow
NT: Bottom topography effects
RT: Contour currents
Flow over surfaces
Lee waves
Wave trapping

Topographic features
UF: Physiographic features
Relief forms
NT: Banks (topography)
Beach features
Channels
Escarpments
Landforms
Submarine features
Terraces
RT: Basins
Bed forms
Erosion features
Geomorphology
Glacial features
Physiographic provinces
Slopes (topography)
Topographic maps
Topography

Topographic maps
BT: Maps
RT: Bathymetric charts
Geological maps
Topographic features
Topographic surveying
Topographic planetary waves
USE: Planetary waves

Topographic surveying
BT: Surveying
RT: Beach profiles
Topographic maps

Topographic waves
BT: Water waves

Topography
NT: Dynamic topography
Surface topography
Topography (geology)
RT: Contours
Mapping
Topographic features

Topography (geology)
BT: Topography
NT: Bottom topography
Subaereal topography

Tornadoes
RT: Atmospheric disturbances
Low pressure systems
Storms
Vortices
Waterspouts
Winds

Torque
BT: Stress (mechanics)
RT: Shear stress

Total allowable catch
UF: Allowable catch
RT: Catch statistics
Quota regulations

Total mortality
UF: Total mortality coefficient
BT: Mortality
RT: Fishing mortality
Natural mortality

Total mortality coefficient
USE: Total mortality

Total organic carbon
UF: TOC
BT: Organic carbon
RT: Dissolved organic carbon

Total oxygen demand
USE: Oxygen demand

Total scattering coefficient
USE: Scattering coefficient

Toughness
UF: Durability
BT: Mechanical properties
RT: Wear

Tourism
RT: Recreation

Tourmaline
BT: Silicate minerals

Towed bodies
RT: Towed body design
Towed sensors
Towing
Underwater vehicles

Towed body design
BT: Design
RT: Ship technology
Towed bodies
Towed sensors
Towed vehicles
Towing
Underwater vehicles

Towed sensors
UF: Fish (towed sensors)
BT: Sensors
RT: Cable depressors
Towed bodies
Towed body design
Towed vehicles
Towing lines
Underwater vehicles
Undulators

Towed vehicles
SN: Unmanned underwater vehicles lacking self-propulsion and free-swimming capability
UF: Deep tow
BT: Unmanned vehicles
RT: Tethered vehicles
Towed body design
Towed sensors
Towing
Towing lines

Towers
SN: Fixed structures used as instrument platforms
BT: Stabilized platforms

Towing
RT: Barges
Towed bodies
Towed body design
Towed vehicles
Towing lines
Tugs
Winches

Towing lines
BT: Cables
RT: Cable depressors
Mooring lines
Ropes
Towed sensors
Towed vehicles
Towing

Towing tanks
BT: Tanks
RT: Laboratory equipment
Test equipment
Wave tanks

Toxicants
SN: Artificial poisons and their effects
RT: Algicides
DDT
Detoxification
Hazardous materials
Heavy metals
Mortality causes
PCB
Pesticides
Phenols
Repellents
Rotenone
Toxicity
Toxicity tests
Toxicology

Toxicity
SN: Nature and virulence of toxic and poisonous substances
BT: Biological properties
NT: Cytotoxicity
RT: Allergic reactions
Antibodies
Biological poisons
Biotesting
Detoxification
Endoparasites
Food poisoning
Heavy metals
Immunology
Lethal effects
Lethal limits
Pathology
Pollution effects
Radioactive contamination
Red tides
Sublethal effects
Survival
Toxicants
Toxicity tests
Toxicology

Toxicity indices
USE: Toxicity tests

Toxicity tests
UF: Toxicity indices
BT: Tests
RT: Bioassays
Biotesting
Hazard assessment
Pollutant identification
Test organisms
Toxicants
Toxicity
Toxicity tolerance
Toxicology
Toxicity tolerance
- UF: Poison tolerance
- BT: Tolerance
- RT: Bioaccumulation
  Sublethal effects
  Toxicity tests
  Toxicology
Toxicology
- UF: Drug toxicology
- NT: Ecotoxicology
- RT: Biological poisons
  Detoxification
  Pharmacology
  Pollutants
  Toxicants
  Toxicity
  Toxicity tests
  Toxicity tolerance
Toxins
- USE: Biological poisons
Trace elements
- NT: Trace metals
- RT: Chemical elements
  Nutrients (mineral)
  Tracers
Trace fossils
- BT: Biogenic sedimentary structures
- NT: Fossilized tracks
- RT: Burrows
  Fossils
  Palaeontology
  Tidal deposits
Trace metals
- BT: Trace elements
- RT: Metals
Tracer techniques
- NT: Isotope dilution
- RT: Tracers
Tracers
- NT: Dyes
  Radioactive tracers
- RT: Isotopes
  Sediment transport
  Trace elements
  Tracer techniques
Trachea
- SN: Before 1982 search
  RESPIRATORY ORGANS
- UF: Tracheal system
- BT: Respiratory organs
Tracheal system
- USE: Trachea
Track charts
- BT: Maps
  Cruise reports
  Cruise stations
Cruises
- Station lists
Training
- SN: Before 1982 search
  EDUCATION
  Extension activities
  Training aids
  Training centres
Training aids
- UF: Teaching aids
  RT: Audiovisual materials
  Manuals
  Simulators
  Training
Training centres
- USE: Training centres
Traction
- RT: Bed load
  Particle motion
  Sediment transport
Traction load
- USE: Bed load
Trade
- UF: Exports
  Foreign trade
  Imports
  International trade
- RT: Commerce
  Economics
  Globalization
  Marketing
  Pricing
  Trade organizations
Trade associations
- USE: Trade organizations
Trade organizations
- UF: Trade associations
  BT: Organizations
  RT: Trade
Trade shows
- USE: Exhibitions
Trade winds
- UF: Tropical easterlies
  BT: Planetary winds
  NT: Equatorial easterlies
  RT: Coastal upwelling
  Tropical meteorology
Traffic management
- RT: Collision avoidance
  Navigation regulations
  Shipping
  Shipping lanes
Transduction
- RT: Bacteriophages
Transfer chambers
- USE: Decompression chambers
Transfer of properties
- USE: Energy transfer
Transfer of technologies
- USE: Technology transfer
Transferases
- SN: Before 1982 search
  ENZYMES
  BT: Enzymes
Transform faults
BT: Faults
RT: Mid-ocean ridges
Plate tectonics
Transform plate boundaries

Transform plate boundaries
BT: Plate boundaries
RT: Transform faults

Transgenic organisms
USE: Genetically Modified Organisms

Transgressions
UF: Marine transgressions
RT: Coasts
Deglaciation
Eustatic changes
Regressions
Retrogradation
Sea level changes
Submerged shorelines
Submergence

Transient polymorphism
USE: Biopolymorphism

Trans-isopycnal mixing
BT: Water mixing
RT: Double diffusive instability
Internal wave breaking
Kelvin-Helmholtz instability
Mixing processes

Transition elements
BT: Metals
NT: Chromium
Cobalt
Copper
Gold
Iron
Manganese
Molybdenum
Nickel
Platinum
Scandium
Silver
Technetium
Titanium
Tungsten
Vanadium
Zirconium
RT: Actinides
Rare earths

Transition temperatures
BT: Temperature
NT: Boiling point
Dew point
Freezing point
Melting point
RT: Phase changes

Translations
RT: Documents

Transmission
NT: Light transmission
Sound transmission
RT: Absorption (physics)
Attenuation
Reflection
Transmission loss
Wave motion

Transmission (water waves)
USE: Wave propagation

Transmission loss
UF: Absorption loss
Reflection loss
Refraction loss
Scattering loss
Sound transmission loss
RT: Transmission

Transmission of diseases
USE: Disease transmission

Transmissometers
BT: Light measuring instruments
RT: Light absorption

Transmittance
BT: Optical properties
NT: Beam transmittance
RT: Attenuance
Light attenuation
Light penetration
Optical water types
Turbidity
Water transparency

Transparency
BT: Optical properties
NT: Water transparency
RT: Light absorption
Light refraction
Light transmission
Turbidity

Transparency (water)
USE: Water transparency

Transparency meters
USE: Beam transmittance meters

Transpiration
NT: Evapotranspiration
RT: Carbon cycle
Cuticles
Dehydration
Evaporation
Photosynthesis
Respiration
Stomata
Water balance
Water content

Transplantation
SN: Artificial introduction of organisms into habitats where they do not occur naturally.
Before 1982 search STOCKING (ORGANISMS)
UF: Transplantation techniques
RT: Introduced species
Seeding (aquaculture)
Stocking (organisms)

Transplantation techniques
USE: Transplantation

Transplants
SN: Tissue or organ grafted or transplanted to another part of the same individual or to another individual
UF: Biological transplantation
Grafts
Organ transplants
Tissue transplants
RT: Body organs
Organ removal
Tissues

Transponder arrays
BT: Acoustic arrays
RT: Transponders

Transponder navigation
USE: Acoustic navigation

Transponders
NT: Acoustic transponders
RT: Electronic equipment
Transponder arrays

Transport
SN: Use of a more specific term is recommended. For carriage of goods and passengers, use TRANSPORTATION
NT: Ekman transport
Heat transport
Mass transport
Sediment transport
Sverdrup transport
Volume transport
RT: Transport processes

Transport (vehicular)
USE: Transportation

Transport processes
NT: Advection
Diffusion
RT: Salt fingers
Transport
Water motion

Transportation
SN: Carriage of goods and passengers
UF: Transport (vehicular)
NT: Air transportation
Marine transportation
RT: Cargoes
Vehicles
Transuranic elements
BT: Metals
NT: Americium
   Californium
   Curium
   Neptunium
   Plutonium

Transverse bars
UF: Finger bars
BT: Nearshore bars
RT: Transverse bed forms

Transverse bed forms
BT: Bed forms
RT: Antidunes
Gravel waves
Ripple marks
Sand patches
Sand ripples
Sand waves
Transverse bars
Unidirectional flow

Transverse mixing
BT: Water mixing

Trap fishing
UF: Trapping
BT: Catching methods
Fishing
RT: Bait
Bait fishing
Crab fisheries
Gastropod fisheries
Lobster fisheries
Trap nets

Trap nets
UF: Fish traps
Fyke nets
Pound nets
Traps
BT: Fishing nets
RT: Pots
Trap fishing

Trapped waves
UF: Bottom trapped waves
Coastal trapped waves
BT: Water waves
NT: Edge waves
Kelvin waves
Shelf waves
Surf beats
RT: Nonlinear waves
Wave trapping

Trapping
USE: Trap fishing

Traps
USE: Trap nets

Trash
USE: Litter

Trash fish
SN: Fish and other aquatic organisms without commercial value for human food market
UF: Industrial fish
Rough fish
BT: Fish
Trawl selectivity
USE: Gear selectivity

Trawl nets
UF: Trawls
BT: Fishing nets
NT: Bottom trawls
Midwater trawls
RT: Net sounders
Otter boards
Trawlers
Trawling

Trawlers
UF: Beam trawlers
Otter trawlers
Pair trawlers
BT: Fishing vessels
RT: Pelagic fisheries
Trawl nets
Trawling

Trawling
UF: Pair trawling
BT: Net fishing
NT: Bottom trawling
RT: Flatfish fisheries
Gadoid fisheries
Net sounders
Otter boards
Trawlers
Trawl nets

Troll lines
USE: Lines

Trollers
USE: Liners

Trolling
BT: Line fishing
RT: Liners
Lines

Trophic levels
RT: Biological production
Carnivores
Ecosystems
Energy flow
Feeding behaviour
Food chains
Herbivores
Omnivores
Trophodynamic cycle

Trophic relationships
RT: Food webs
Interspecific relationships
Intraspecific relationships
Trophic structure
Trophodynamic cycle

Trophic status
USE: Trophic structure

Trophic structure
UF: Trophic status
Trophic zonality
RT: Ecosystems
Trophic relationships

Trophic zonality
USE: Trophic structure
Trophodynamic cycle
UF: Food cycle
BT: Cycles
RT: Biogenic material
Biological production
Energy flow
Feeding behaviour
Food webs
Heterotrophic organisms
Nutritional requirements
Trophic levels
Trophic relationships
Tropical aquaculture
USE: Warm-water aquaculture
Tropical climate
USE: Tropical environment
Tropical climatology
USE: Tropical meteorology
Tropical cyclones
USE: Hurricanes
Tropical depressions
SN: Before 1982 search also
TROPICAL CYCLONES
UF: Tropical storms
BT: Atmospheric depressions
NT: Hurricanas
RT: Atmospheric disturbances
Easterly waves
Tropical meteorology
Weather forecasting
Tropical easterlies
USE: Trade winds
Tropical environment
SN: For global treatment of regional aspects of tropical waters use WORLD TROPICAL REGIONS in Geographic Authority List
UF: Tropical climate
BT: Environments
RT: Dry season
Monsoons
Rainy season
Tropical lakes
Tropical meteorology
Tropical oceanography
Tropical storms
USE: Tropical depressions
Tropism
NT: Chemotropism
Geotropism
Phototropism
Rheotropism
RT: Behaviour
Orientation behaviour
Stimuli
Tropopause
BT: Earth atmosphere
RT: Stratosphere
Troposphere
Troposphere
BT: Earth atmosphere
RT: Air temperature
Atmospheric boundary layer
Atmospheric fronts
Jet stream
Stratosphere
Tropopause
Weather
Tropical fish
BT: Fish
RT: Coral reefs
Marine fish
Ornamental fish
Tropical lakes
BT: Lakes
RT: Dry season
Tropical environment
Tropical meteorology
UF: Tropical climatology
BT: Meteorology
RT: Easterly waves
Tropical oceanography
Equatorial dynamics
Equatorial trough
Hurricanes
Monsoons
Trade winds
Tropical depressions
Tropical environment
Tropical oceanography
Tropical oceanography
BT: Oceanography
RT: Equatorial circulation
Equatorial dynamics
Hurricane waves
Monsoon reversal
Monsoons
Tropical environment
Tropical meteorology
Tropical storms
USE: Tropical depressions
Tropism
NT: Chemotropism
Geotropism
Phototropism
Rheotropism
RT: Behaviour
Orientation behaviour
Stimuli
Tropopause
BT: Earth atmosphere
RT: Stratosphere
Troposphere
Weather
Trout fisheries
USE: Salmon fisheries
Tsunami generation
BT: Wave generation
RT: Earthquakes
Landslides
Tsunamis
Tsunami prediction
BT: Prediction
RT: Tsunamis
Warning services
Tsunamis
UF: Seismic sea waves
Tsunamis
BT: Surface water waves
RT: Catastrophic waves
Disasters
Earthquakes
Edge waves
Tube dwellers
SN: Organisms living in a constructed tube
UF: Tube dwelling organisms
Tubiculous organisms
BT: Aquatic organisms
RT: Benthos
Tube dwelling organisms
USE: Tube dwellers
Tuberculosis
UF: Mycobacterial infections
BT: Bacterial diseases
RT: Fish diseases
Tubiculous organisms
USE: Tube dwellers
Tubing
SN: Use for tubular construction and structural components
RT: Cylinders
Node construction
Pipes
Tugs
BT: Ships
RT: Support ships
Towing
Tumbling disease
USE: Whirling disease
Tumors
USE: Tumours
Tumours
UF: Carcinoma
Hepatoma
Neoplasms
Sarcoma
Tumors
BT: Diseases
RT: Antitumour agents
Carcinogenesis
Tuna fisheries
UF: Albacore fisheries
Billfisheries
Bonito fisheries
King mackerel fisheries
Skipjack tuna fisheries
Swordfish fisheries
BT: Finfish fisheries
RT: Mackerel fisheries
Marine fisheries
Pelagic fisheries
Flooding
Floods
Shallow water waves
Surface gravity waves
Tidal waves
Tsunami generation
Tsunami prediction
Volcanic eruptions
Wave effects
Tunamis
USE: Tsunamis

Tungsten
BT: Heavy metals
Transition elements
RT: Tungsten compounds

Tungsten compounds
BT: Chemical compounds
RT: Tungsten

Tunnels
RT: Bridges
Straits

Turbidimeters
UF: Turbidity sensors
BT: Measuring devices
RT: Light measuring instruments
Turbidity

Turbidites
BT: Clastics
RT: Deep-sea fans
Terrigenous sediments
Turbidity currents

Turbidity
BT: Physical properties
RT: Absorption spectra
Aerosols
Colloids
Detritus
Haze
Light absorption
Light attenuation
Light scattering
Nepholoid layer
Particle concentration
Particle distribution
Particle size
River plumes
Suspended inorganic matter
Suspended organic matter
Suspended particulate matter
Transmittance
Transparency
Turbidimeters
Turbidity currents
Turbulence
Visibility underwater
Water colour
Water properties
Water transparency

Turbidity current structures
BT: Sedimentary structures
RT: Flow structures
Olistostromes
Turbidity currents

Turbidity currents
UF: Suspension currents
BT: Sediment gravity flows
RT: Bottom currents
Cohesionless sediments
Density flow
Nepholoid layer
Sediment transport
Turbidites
Turbidity
Turbidity current structures
Turbidity sensors
USE: Turbidimeters

Turbines
BT: Motors
RT: Power plants
Propulsion systems

Turbulence
UF: Isotropic turbulence
NT: Atmospheric turbulence
Oceanic turbulence
RT: Diffusion
Eddy conductivity
Eddy diffusivity
Eddy viscosity
Reynolds stresses
Turbidity
Turbulent boundary layer
Turbulent diffusion
Turbulent flow
Turbulent transfer
Vortices
Vorticity
Wakes
Water circulation
Wave interactions

Turbulence measurement
BT: Flow measurement
RT: Anemometers
Atmospheric turbulence
Wind measuring equipment

Turbulent boundary layer
BT: Boundary layers
RT: Laminar boundary layer
Reynolds stresses
Turbulence
Turbulent flow

Turbulent diffusion
UF: Eddy diffusion
BT: Diffusion
RT: Atmospheric diffusion
Dye dispersion
Eddy conduction
Eddy diffusivity
Eddy viscosity
Mixing processes
Turbulence

Turbulent energy
USE: Eddy kinetic energy

Turbulent entrainment
BT: Fluid motion
RT: Buoyant jets
Entrainment
Mixing processes

Turbulent exchange
USE: Eddy flux

Turbulent flow
BT: Fluid flow
NT: Cavitation
Turbulent shear flow
Eddy viscosity
Laminar flow
Multiphase flow
Reynolds number
Reynolds stresses
Turbulence
Turbulent boundary layer
Turbulent entrainment

Turbulent heat transfer
USE: Eddy conduction

Turbulent jets
USE: Jets

Turbulent shear flow
BT: Shear flow
Turbulent flow

Turbulent shear stresses
USE: Reynolds stresses

Turbulent transfer
RT: Turbulence

Turions
BT: Plant reproductive structures

Turnover
USE: Overturin

Turtle culture
BT: Reptile culture
RT: Turtle fisheries

Turtle entanglement
BT: Entanglement

Turtle excluder devices
BT: By-catch excluder devices

Turtle fisheries
BT: Fisheries
RT: Turtle culture

Twine
USE: Yarns

Two phase flow
USE: Multiphase flow
Type localities
SN: Specific geographic area in which the type specimens were first collected
RT: Distribution records
Holotypes
New taxa

Type specimens
USE: Holotypes

Typhoons
USE: Hurricanes

Typology
SN: The study of types as of constitutional types
RT: Ecotypes
Genotypes
Holotypes
Phenotypes
Taxonomy

Tyrosine
BT: Amino acids

UDN
USE: Ulcerative dermal necrosis

Ulcer disease
USE: Vibriosis

Ulcerative dermal necrosis
UF: UDN
BT: Fish diseases
Necroses

Ultramafic rocks
BT: Igneous rocks
NT: Ophiolites Peridotite

Ultrasonic devices
UF: Ultrasonic equipment
NT: Ultrasonic transducers
RT: Ultrasonics

Ultrasonic equipment
USE: Ultrasonic devices

Ultrasonic testing
USE: Nondestructive testing

Ultrasonic tracking
USE: Tracking

Ultrasonic transducers
BT: Transducers Ultrasonic devices

Ultrasonics
BT: Acoustics
RT: Ultrasonic devices

Ultrastructure
UF: Fine structure (biology)
Finestructure (biology)

RT: Biotechnology
Cells
Electron microscopy
Tissues

Ultraviolet radiation
SN: Wavelength range between 0.02-0.4 microns
BT: Electromagnetic radiation
RT: Light
Ozone
Solar radiation
Sterilization
Thermal radiation
Ultraviolet sterilization

Ultraviolet sterilization
SN: The sterilization of water by passing it near sources of ultraviolet radiation
BT: Sterilization
RT: Ultraviolet radiation

Umbilicals
BT: Cables
RT: Diving suits
Electric cables
Life support systems

Uncontrolled spawning
USE: Wild spawning

Unconventional resources
UF: Nonconventional resources
BT: Natural resources
RT: Food resources
Living resources
Potential resources
Potential yield

Under keel clearance
USE: Keel clearance

Undercurrents
BT: Water currents
NT: Equatorial undercurrents
Western boundary undercurrents
RT: Coastal countercurrents
Ocean currents

Underdeveloped countries
USE: Developing countries

Underfishing
SN: Characteristic of a stock which may sustain catches higher than current ones
BT: Commercial fishing

Underground water
USE: Ground water

Under-ice environment
USE: Epontic environment

Under-ice organisms
USE: Epontic organisms

Undersea warfare
UF: Anti-submarine warfare
RT: Military oceanography
Military operations
Seabed conventions
Submarines
Underwater explosions

Undertow
BT: Nearshore currents
RT: Breakers
Rip currents
Surf zone
Waves on beaches

Underutilized species
SN: Commercial species which are not fully utilized
BT: Commercial species

Underwater acoustics
USE: Acoustics

Underwater ambient noise
USE: Ambient noise

Underwater biotelemetry
USE: Biotelemetry

Underwater cameras
BT: Cameras
Underwater equipment
RT: Underwater photography
Underwater television
Visibility underwater

Underwater connectors
USE: Connectors

Underwater engineering
USE: Offshore engineering

Underwater equipment
BT: Equipment
NT: Underwater cameras
RT: Diving tools
Sonar
Underwater exploitation
Underwater vehicles
Working underwater

Underwater erosion
USE: Bottom erosion

Underwater escarpments
USE: Submarine scarps

Underwater excavation
USE: Excavation underwater

Underwater exploitation
BT: Exploitation
RT: Exclusive economic zone
Mineral resources
Offshore engineering
Oil wells
Underwater equipment

Underwater exploration
BT: Exploration
RT: Bathyspheres
Coring
Deep-sea diving
Diving
Diving surveys
Drilling
Geographical exploration
Mineral resources
Offshore engineering
Seafloor mapping
Surveying underwater
Underwater photography
Underwater television
Underwater vehicles

Underwater explosions
BT: Explosions
RT: Nuclear explosions
Undersea warfare

Underwater habitats
SN: Seabed chambers for human occupation. Before 1982 search
ARTIFICIAL HABITATS
UF: Artificial habitats
Chambers (one-atmosphere)
Habitats (artificial)
Human underwater habitats
Seabed habitats
BT: Habitat
Underwater structures
RT: Accommodation
Caissons
Diving bells
Work platforms
Working underwater

Underwater ice profiles
USE: Ice canopy

Underwater inspection
BT: Inspection

Underwater light sources
USE: Light sources

Underwater medicine
UF: Divinig medicine
BT: Medicine
RT: Bone necrosis
Decompression sickness
Diving
Diving physiology
Hypercapnia
Hyperthermia
Hypothermia
Hypoxia
Nitrogen narcosis

Underwater navigation
USE: Navigation underwater

Underwater noise
BT: Noise (sound)
NT: Reverberation
RT: Ambient noise

Underwater object location
BT: Locating
RT: Search and rescue
Wreck location

Underwater photographs
BT: Photographs
NT: Bottom photographs
RT: Underwater photography

Underwater photography
BT: Photography
RT: Surveying underwater
Underwater cameras
Underwater exploration
Underwater photographs
Underwater television
Visibility underwater
Working underwater

Underwater propulsion
UF: Underwater propulsion systems
RT: Nuclear propulsion
Propulsion systems
Underwater vehicles

Underwater propulsion systems
USE: Underwater propulsion

Underwater research vessels
USE: Underwater vehicles

Underwater shelters
USE: Shelters

Underwater sound transmission
USE: Sound waves

Underwater structures
SN: Work platforms and equipment located and fixed to seabed
BT: Offshore structures
NT: Pipelines
Underwater habitats
Wellheads
RT: Guide lines
Offshore engineering
Oil tanks
Work platforms
Working underwater

Underwater surveying
USE: Surveying underwater

Underwater television
BT: Television systems
RT: Underwater cameras
Underwater exploration
Underwater photography
Visibility underwater

Underwater tools
USE: Diving tools

Underwater topography
USE: Bottom topography

Underwater tracking systems
USE: Acoustic tracking systems

Underwater vehicles
SN: Before 1982 search
UNDERWATER RESEARCH VESSELS
UF: Underwater research vessels
BT: Vehicles
NT: Free-swimming vehicles
Manned vehicles
Self-propelled vehicles
Tethered vehicles
Unmanned vehicles
RT: Ballast tanks
Defence craft
Manipulators
Mother ships
Ship technology
Towed bodies
Towed body design
Towed sensors
Underwater equipment
Underwater exploration
Underwater propulsion
Work platforms

Underwater viewing
USE: Viewing underwater

Underwater visibility
USE: Visibility underwater

Underwater wellheads
USE: Wellheads

Underwater work
USE: Working underwater

Undulators
UF: Batfish
RT: Oceanographic equipment
Towed sensors

Unidirectional flow
BT: Fluid motion
RT: Channel flow
Oscillatory flow
Residual flow
Stream flow
Transverse bed forms

Unit stocks
SN: Self-sustaining genetic entities
BT: Stocks
RT: Population genetics
Subpopulations

Universities
USE: Education establishments
Unloading
USE: Fish handling

Unmanned submersibles
USE: Unmanned vehicles

Unmanned vehicles
SN: Unmanned underwater vehicles capable of self-propulsion and manoeuvrability
UF: Remotely operated vehicles
ROVs
Submersibles (unmanned)
Unmanned submersibles
BT: Underwater vehicles
NT: Seabed vehicles
Towed vehicles
Untethered vehicles
RT: Manned vehicles

Unsaturated hydrocarbons
BT: Hydrocarbons
NT: Alkenes
Alkynes
Aromatic hydrocarbons
Polyunsaturated hydrocarbons

Unsteady flow
BT: Fluid motion
RT: Barotropic instability
Laminar flow
Multiphase flow

Unsteady state
RT: Equilibrium
Instability
Steady state

Untethered vehicles
SN: Self-propelled, self-powered unmanned underwater vehicles controlled by acoustic command
BT: Self-propelled vehicles
Unmanned vehicles
RT: Free-swimming vehicles
Remote control
Wet submersibles

Uplift
BT: Epeirogeny
RT: Emergent shorelines
Progradation
Raised beaches
Regressions
Subsidence

Upper atmosphere
BT: Earth atmosphere
NT: Ionosphere

Upper layers (lakes)
USE: Epilimnion

Upper layers (ocean)
USE: Upper ocean

Upper mantle
UF: Outer mantle
BT: Earth mantle
RT: Asthenosphere
Lithosphere
Lower mantle

Upper ocean
SN: The ocean above and including the permanent thermocline
UF: Upper layers (ocean)
RT: Oceanic boundary layer
Oceans
Permanent thermocline
Surface layers
Surface mixed layer
Surface water masses

Upper tertiary
USE: Neogene

Upstream migrations
USE: Anadromous migrations

Uptake
UF: Upstream migrations

Upward irradiance
BT: Irradiance

Upward long wave radiation
BT: Terrestrial radiation

Upwelling
BT: Vertical water movement
NT: Artificial upwelling
Coastal upwelling
Ekman transport
Equatorial upwelling
RT: Coastal currents
Divergence
Divergence zones
Downwelling
Ekman pumping
Fog
Mixing processes
Nearshore currents
Oceanic divergences
Vertical advection
Water circulation
Water mixing
Wind-driven currents
Winds

Uranium
BT: Actinides
RT: Radioactivity
Uranium compounds
Uranium isotopes

Uranium compounds
BT: Actinide compounds
Chemical compounds
RT: Uranium

Uranium isotopes
BT: Isotopes
RT: Uranium
Uranium-234/uranium-238 ratio
Uranium-helium dating

Uranium-234/uranium-238 ratio
RT: Radiometric dating
Uranium isotopes

Uranium-helium dating
BT: Radiometric dating
RT: Helium isotopes
Uranium isotopes

Urban development
USE: Urbanization

Urban runoff
BT: Runoff

Urbanization
UF: Development (urban)
Urban development
RT: Rural development

Urea
BT: Organic compounds
RT: Ammonia
Nitrogen compounds
Organic fertilizers
Urine

Urinary system
BT: Anatomical structures
RT: Cloaca
Kidneys
Urine

Usage
USE: Utilization

Use of water
USE: Water use

User participation
SN: Where resource users play an active role in the process of management,
NT: Participatory approach

Utilization
UF: Application
Usage
NT: Plant utilization
Waste utilization
Water use
ASFA THESAURUS

Vaccination
BT: Immunization
RT: Disease resistance
Immunoprecipitation
Infectious diseases
Vaccines

Vaccines
UF: Bacterial vaccines
Fungal vaccines
Viral vaccines
BT: Drugs
NT: Bacterins
RT: Antibodies
Antigens
Immunoprecipitation
Vaccination

Valine
BT: Amino acids
Valley line
USE: Thalweg

Valleys
BT: Landforms
NT: Drowned valleys
Rift valleys
River valleys
Submarine valleys
RT: Channels
Fracture zones
Oceanic trenches
Watersheds

Valliculture
SN: Lagoon culture where sluices open and close the mouth of the lagoon
BT: Aquaculture techniques
RT: Brackishwater aquaculture
Extensive culture
Lagoons
Pond culture

Vanadium
BT: Heavy metals
Transition elements
RT: Ferromanganese nodules
Vanadium compounds

Vanadium compounds
BT: Chemical compounds
RT: Vanadium

Vane devices
BT: Geological equipment
RT: Shear strength
Vane shear testing

Vane shear testing
RT: Cohesive sediments
Shear strength
Vane devices

Vanes
UF: Current meter vanes
Wind vanes
RT: Direction indicators

Vaporization
BT: Phase changes
NT: Evaporation
Sublimation
RT: Cavitation
Vaporization heat

Vaporization heat
UF: Latent heat of vaporization
BT: Enthalpy
RT: Condensation
Vaporization

Vapour pressure
UF: Saturation vapour pressure
Vapour tension
Water vapour pressure
BT: Pressure
RT: Bowen ratio
Condensation
Humidity
Thermodynamic properties
Water vapour

Vapour tension
USE: Vapour pressure

Variability
RT: Equilibrium
Nonlinearity
Temporal variations
Wind constancy

Variance analysis
SN: Includes covariance
BT: Statistical analysis
NT: Multivariate analysis
RT: Correlation analysis
Numerical taxonomy
Regression analysis

Variations (magnetic)
USE: Magnetic variations

Variations (phenotypic)
USE: Phenotypic variations

Variations (space)
USE: Spatial variations

Variations (time)
USE: Temporal variations

Varves
BT: Bedding structures
RT: Glacial deposits
Teleconnections

Vascular system
USE: Circulatory system

Vectors
NT: Biological vectors
Curl (vectors)
Current vectors
Wind vectors
RT: Hodographs
Velocity

Vegetal fossils
UF: Plant fossils
BT: Fossils
NT: Fossil diatoms
Fossil pollen
Fossil spores

Vegetation control
USE: Plant control

Vegetation cover
SN: Plants covering the surface of water bodies or littoral zone
RT: Dune stabilization
Emergent vegetation
Flora
Plant control
Plant growth

Vegetative reproduction
BT: Reproduction
RT: Asexual reproduction
Budding
Plant reproductive structures
Rhizomes

Vehicles
SN: Use of a more specific term is recommended
BT: Free-swimming vehicles
NT: Aircraft
Amphibious vehicles
Surface craft
Underwater vehicles
RT: Maneuuvrability
Propulsion systems
Steering systems
Transportation

Veins
USE: Blood vessels

Veligers
BT: Molluscan larvae
RT: Meroplankton

Velocity
UF: Absolute velocity
Speed
NT: Current velocity
Group velocity
Orbital velocity
Phase velocity
Seismic velocities
Settling rate
Ship speed
Sound velocity
Wave drift velocity
Wave velocity
Wind speed
RT: Acceleration
Kinematics
Vectors
Velocity gradients
Velocity profilers
Velocity profiles
Velocity gradients  
BT: Gradients  
RT: Velocity  
Velocity profiles  
Vertical shear  
Wind profiles  

Velocity measurement (water)  
USE: Current measurement  

Velocity microstructure  
BT: Microstructure  
RT: Current velocity  

Velocity profilers  
UF: Profiling current meters  
BT: Profilers  
RT: Dropsonde  
Free-fall profilers  
Velocity  
Velocity profiles  

Velocity profiles  
BT: Vertical profiles  
NT: Current profiles  
Wind profiles  
RT: Velocity  
Velocity gradients  
Velocity profilers  
Velocity sections  
Vertical shear  
Vortex shedding  

Velocity sections  
BT: Hydrographic sections  
RT: Current velocity  
Velocity profiles  

Venom apparatus  
RT: Biological poisons  
Noxious organisms  
Poisonous fish  
Secretory organs  
Stinging organs  

Venoms  
USE: Biological poisons  

Ventilation  
RT: Air conditioning  

Vents (hydrothermal)  
USE: Hydrothermal springs  

Venules  
USE: Blood vessels  

Vermiculite  
BT: Clay minerals  

Vernacular names  
UF: Common names  
Local names  
RT: Terminology  

Vertebral ray  
BT: Bones  
RT: Spinal cord  
Vertebral column  

Vertebrata  
BT: Meristic counts  
RT: Endoskeleton  
Vertebrates  

Vertebrate zoology  
UF: Chordate zoology  
BT: Zoology  
NT: Herpetology  
Ichthyology  
Mammalogy  
Ornithology  
Osteology  

Vertical advection  
UF: Vertical transport  
BT: Advection  
RT: Upwelling  
Vertical motion  
Vertical water movement  
Water column  

Vertical distribution  
SN: Use for distribution of aquatic organisms. Use VERTICAL PROFILES for physical and chemical properties  
UF: Bathymetric distribution  
BT: Geographical distribution  
RT: Bathymetric charts  
Diurnal variations  
Ecological zonation  
Oxygen sections  
Salinity sections  
Seasonal variations  
Spatial variations  
Temperature sections  
Thermocline  
Vertical migrations  
Vertical profiles  
Vertical sections  

Vertical migrations  
BT: Migrations  
RT: Biological rhythms  
Diurnal variations  
Environmental effects  
Orientation  
Phototaxis  
Phototropism  
Vertical distribution  

Vertical mixing  
BT: Water mixing  
RT: Double diffusion  
Vertical water movement  

Vertical motion  
RT: Atmospheric motion  
Fluid motion  
Vertical advection  
Vertical water movement  

Vertical profiles  
SN: Plots of physical properties or parameters against depth and/or height  
BT: Profiles  
NT: Density profiles  
Oxygen profiles  
Salinity profiles  
STD profiles  
Temperature profiles  
Velocity profiles  
RT: CTD profilers  
Finestructure  
Horizontal profiles  
Hydrographic sections  
T/S diagrams  
Vertical distribution  
Vertical profiling  
Vertical sections  
Water column  

Vertical profiling  
BT: Profiling  
RT: Vertical profiles  

Vertical sections  
BT: Map graphics  
NT: Geological sections  
Hydrographic sections  
RT: Echosounder profiles  
Seismic profiles  
Vertical distribution  
Vertical profiles  

Vertical shear  
BT: Shear  
RT: Ekman layers  
Relative vorticity  
Richardson number  
Velocity gradients  
Velocity profiles  
Wind shear  

Vertical stability  
UF: Static stability  
BT: Stability  
RT: Brunt-Vaisala frequency  
Potential density  
Potential temperature  
Static instability  
Temperature inversions  
Vertical structure (water bodies)  
USE: Water column  

Vertical tectonics  
BT: Tectonics  
RT: Epeirogeny  
Isostasy  

Vertical transport  
USE: Vertical advection
Vertical water movement
SN: Use of a more specific term is recommended
BT: Water motion
NT: Cabbeling
Cascading
Downwelling
Overturn
Upwelling
RT: Meridional oceanic circulation
Vertical advection
Vertical mixing
Vertical motion

Vessel seizure
USE: Surveillance and enforcement

Vessels
USE: Surface craft

Veterinarians
BT: Scientific personnel

Vibrarory corers
UF: Vibro-corners
BT: Corers

Vibration
UF: Strumming
RT: Damping
Elastic waves
Noise (sound)
Oscillations
Resonance
Resonant frequency

Vibrio infections
USE: Vibriosis

Vibrios
SN: A fish disease caused by
Vibrio anguillarum
UF: Red pest
Spotted pest
Ulcer disease
Vibrio infections
BT: Bacterial diseases
Fish diseases

Vibro-corners
USE: Vibratory corers

Video networks
USE: Television systems

Videotape recordings
UF: Videotapes
BT: Audiovisual materials
RT: Films
Magnetic tape recordings
Records

Videotapes
USE: Videotape recordings

Viewing underwater
UF: Underwater viewing
RT: Visibility underwater

Viral diseases
BT: Infectious diseases
RT: Antiviral agents
Biological control
Fish diseases
Immunochemistry
Septicemia
Virology
Viruses

Viral haemorrhagic septicaemia
USE: Septicaemia

Viral vaccines
USE: Vaccines

Virology
BT: Microbiology
RT: Viral diseases
Viruses

Virtual population analysis
SN: Computation of historical fishing mortality rates and stock sizes by age, based on data on catches, natural mortality, and certain assumptions about mortality for the last year and last age group.
UF: Cohort analysis
VPA
BT: Statistical analysis
RT: Stock assessment

Virulence
RT: Diseases

Viruses
SN: In ASFA-1, used as taxonomic descriptor; in ASFA-2, used as subject descriptor
BT: Microorganisms
RT: Antiviral agents
Bacteriophages
Viral diseases
Virology

Viscosity
BT: Mechanical properties
NT: Dynamic viscosity
Eddy viscosity
Molecular viscosity
RT: Capillarity
Rheology
Stokes law
Viscosity coefficients
Water properties

Viscosity coefficients
BT: Exchange coefficients
NT: Eddy viscosity coefficient
RT: Viscosity

Visibility
NT: Visibility underwater
RT: Atmospheric optical phenomena
Fog
Haze
Optics
Vision

Visibility underwater
UF: Underwater visibility
BT: Visibility
RT: Diving
Turbidity
Underwater cameras
Underwater photography
Underwater television
Viewing underwater
Working underwater

Visible and near-infrared imagery
USE: Satellite photography

Visible radiation
USE: Light

Vision
BT: Sense functions
RT: Eyes
Light stimuli
Optics
Photoreception
Photoreceptors
Visibility
Visual pigments
Visual stimuli

Visual aids
USE: Audiovisual materials

Visual inspection
SN: Visual inspection for organoleptic quality of seafood
BT: Inspection
RT: Quality assurance

Visual pigments
UF: Light sensitive pigments
Rhodopsin
BT: Pigments
RT: Retinas
Vision
Visual stimuli

Visual stimuli
BT: Stimuli
RT: Eyes
Vision
Visual pigments

Vitamin A
SN: Before 1982 search
VITAMINS
UF: Carotenes
BT: Vitamins
Vitamin B
SN: Before 1982 search
VITAMINS
UF: Biotin
Riboflavin
Thiamine
Vitamin B complex
BT: Vitamins
RT: Ribose

Vitamin B complex
USE: Vitamin B

Vitamin C
SN: Before 1982 search
VITAMINS
UF: Ascorbic acid
BT: Vitamins

Vitamin D
SN: Before 1982 search
VITAMINS
UF: Calciiferol
Cholocalciferol
BT: Vitamins
RT: Calcification

Vitamin deficiencies
UF: Avitaminosis
Vitamin deficiency
BT: Dietary deficiencies
RT: Nutrient deficiency
Nutrition disorders
Vitamins

Vitamin deficiency
USE: Vitamin deficiencies

Vitamin E
SN: Before 1982 search
VITAMINS
UF: Fertility vitamin
Tocopherol
BT: Vitamins

Vitamins
NT: Vitamin A
Vitamin B
Vitamin C
Vitamin D
Vitamin E
RT: Coenzymes
Drugs
Food additives
Growth regulators
Nutritive value
Vitamin deficiencies

Vitellogenesis
UF: Yolk formation
RT: Eggs
Embryology
Embryonic development
Morphogenesis
Oogenesis
Organogenesis
Yolk

Viviparity
SN: Giving birth to living young which have already reached an advanced stage of development
UF: Viviparous
RT: Oviparity
Pregnancy
Sexual reproduction

Viviparous
USE: Viviparity

Vocal behaviour
USE: Vocalization behaviour

Vocal organs
UF: Vocal cords
Vocal sacs
BT: Animal organs
NT: Larynx
RT: Sound production
Vocalization behaviour

Vocal sacs
USE: Vocal organs

Vocalization behaviour
UF: Vocal behaviour
BT: Behaviour
RT: Animal communication
Auditory organs
Auditory stimuli
Bioacoustics
Cetology
Sound production
Vocal organs

Voes
USE: Coastal inlets

Void ratio
BT: Ratios
RT: Permeability
Porosity
Soil mechanics
Voids

Voids
RT: Percolation
Permeability
Porosity
Void ratio

Volatile compounds
BT: Chemical compounds
NT: Volatile hydrocarbons
RT: Ammonia
Sulphur compounds

Volatile hydrocarbons
BT: Petroleum hydrocarbons
Volatile compounds

Volcanic ash
UF: Dust (volcanic)
Volcanic dust
BT: Ashes
Volcanic rocks
RT: Bentonite
Dust clouds
Eolian deposits
Eolian dust
Eolian transport
Terrigenous sediments
Volcanic eruptions

Volcanic belts
RT: Volcanism
Volcanoes

Volcanic breccia
BT: Tephra
RT: Breccia
Volcanic dust
USE: Volcanic ash

Volcanic eruptions
BT: Geological hazards
RT: Disasters
Tephra
Tsunamis
Volcanic ash
Volcanic islands
Volcanoes

Volcanic glass
UF: Basaltic glass
BT: Volcanic rocks
RT: Glass
Obsidian
Volcanogenic deposits

Volcanic islands
BT: Oceanic islands
RT: Island arcs
Volcanic eruptions
Volcanism
Volcanoes

Volcanic lapilli
BT: Tephra

Volcanic rocks
UF: Pyroclastics
BT: Igneous rocks
NT: Andesite
Basalts
Lava
Palagonite
Pumice
Rhyolites
Tephra
Volcanic ash
Volcanic glass
RT: Allochthonous deposits
Volcanism
Volcanoes
Volcanogenic deposits
Volcanic sediments
USE: Volcanogenic deposits

Volcanicity
USE: Volcanism

Volcanism
SN: Before 1982 search
SUBMARINE VOLCANOES
UF: Volcanicity
Volcanism
RT: Active margins
Hot spots
Island arcs
Magma
Plate boundaries
Volcanic belts
Volcanic islands
Volcanic rocks
Volcanoes
Volcanogenic deposits

Volcanoes
SN: Before 1982 search
SUBMARINE VOLCANOES
NT: Mud volcanoes
Submarine volcanoes
RT: Lava flows
Volcanic belts
Volcanic eruptions
Volcanic islands
Volcanic rocks
Volcanism
Volcanogenic deposits

Volcanogenic deposits
UF: Volcanic sediments
BT: Sediments
RT: Terrigenous sediments
Volcanic glass
Volcanic rocks
Volcanism
Volcanoes

Volumetric analysis
BT: Analysis
RT: Titration

Vortex shedding
RT: Current forces
Velocity profiles

Vortices
RT: Cavitation
Current rings
Fluid motion
Langmuir circulation
Lee eddies
Mixing length
Rotating fluids
Tornados
Turbulence
Vorticity
Waterspouts

Vorticity
NT: Absolute vorticity
Enstrophy
Planetary vorticity
Potential vorticity
Relative vorticity
RT: Atmospheric motion
Beta-plane
Coriolis force
Curl (vectors)
Hydrodynamics
Potential flow
Rotation
Turbulence
Vortices
Water motion

VPA
USE: Virtual population analysis

Vulcanism
USE: Volcanism

Vulnerability
BT: Biological properties
RT: Catchability
Fishing mortality

Wakes
RT: Hydrodynamics
Ship motion
Ship speed
Turbulence

Warm fronts
USE: Atmospheric fronts

Warm-blooded animals
USE: Homiothermy

Warm-water aquaculture
SN: Culture of warm-water organisms
UF: Tropical aquaculture
BT: Aquaculture techniques
RT: Thermal aquaculture

Warning devices
USE: Alarm systems

Warning services
BT: Information centres
NT: Storm tide warning services
RT: Earthquake prediction
Environmental monitoring
Iceberg detection
Tsunami prediction
Warning systems

Warning systems
NT: Alarm systems
RT: Safety devices
Warning services

Warships
USE: Defence craft

Waste disposal
UF: Chemical waste disposal
Disposal (waste)
NT: Ocean dumping
Radioactive waste disposal
Sewage disposal
RT: Gas flaring
Incineration
Sanitary engineering
Sewage ponds
Waste disposal sites
Waste treatment
Wastes

Waste disposal sites
SN: Offshore sites selected for dumping of wastes
UF: Dumping grounds
RT: Spoil
Waste disposal

Waste heat
SN: Heated or thermal effluents produced by power plants
BT: Heat
Wastes
RT: Power plants
Thermal aquaculture

Waste treatment
NT: Sewage treatment
Sludge treatment
Wastewater treatment
RT: Anaerobic digestion
Decantation
Environment management
Sanitary engineering
Waste disposal
Wastes
Water pollution treatment

Waste utilization
UF: Fish waste utilization
BT: Utilization
RT: Wastes
Wastewater aquaculture
Waste water
BT: Wastes Water
RT: Drainage water Effluents Industrial wastes Runoff Sanitary engineering Sewage Wastewater aquaculture Wastewater treatment Water pollution Water reclamation

Wastes
RT: Byproducts Manure Pollutants Waste disposal Waste treatment Waste utilization

Wastewater aquaculture
SN: Use of sewage and residual water for aquaculture purposes
BT: Aquaculture techniques RT: Fish culture Waste utilization Waste water Wastewater treatment

Wastewater recycling
USE: Wastewater treatment

Wastewater treatment
SN: Including recycling of waste waters

Water
SN: Use of a more specific term is recommended; consult terms listed below
NT: Bottom water Brackish water Cooling water Deep water Discoloured water Distilled water Drainage water Fresh water Ground water Heavy water Irrigation water Melt water Pore water River water Saline water Sea water Shallow water Stagnant water Surface water Waste water
RT: Aquatic environment

Waste
SN: Use of a more specific term is recommended; consult terms listed below
NT: Bottom water Brackish water Cooling water Deep water Discoloured water Distilled water Drainage water Fresh water Ground water Heavy water Irrigation water Melt water Pore water River water Saline water Sea water Shallow water Stagnant water Surface water Waste water

Water analysis
SN: Before 1982 search also WATER ANALYSIS (BIOLOGICAL), WATER ANALYSIS (CHEMICAL) and WATER ANALYSIS (PHYSICAL)
UF: Water analysis (biological) Water analysis (chemical) Water analysis (physical)

Waste disposal
BT: Organizations RT: Water conservation Water management Water resources

Water authorities
BT: Evapotranspiration Kidneys Metabolism Transpiration Urine

Water balance
RT: Evapotranspiration Kidneys Metabolism Transpiration Urine

Water
USE: Algal blooms
Water bodies
SN: Surface waters of the Earth. Use of a narrower term is recommended
UF: Surface water bodies
NT: Coastal waters
Inland waters
Lagoons
Oceans
RT: Aquatic environment
Channels
Hydrosphere
Recreational waters
Water budget
Water column
Water resources
Water bottles
USE: Water samplers

Water budget
RT: Eustatic changes
Evaporation
Heat budget
Hydrologic cycle
Hydrology
Hydrosphere
Ice volume
Inflow
Outflow
River discharge
Salt budget
Water bodies
Water exchange

Water channels
USE: Channels

Water circulating systems
USE: Recirculating systems

Water circulation
SN: Circulation in oceans and inland water bodies. Use of a more specific term is recommended
BT: Circulation
Water motion
NT: Lake dynamics
Ocean circulation
Shelf dynamics
Surface circulation
Wind-driven circulation
RT: Aeration
Coriolis force
Diffusion
Fluid motion
Gyres
Hydrodynamics
Hydrologic cycle
Physical limnology
Physical oceanography
Recirculating systems
Thermal stratification
Turbulence
Upwelling
Water
Water currents
Water mass
Water mixing

Water colour
BT: Colour
Water properties
RT: Discoloured water
Gelbstoff
Light absorption
Multispectral scanners
Suspended inorganic matter
Suspended organic matter
Suspended particulate matter
Turbidity
Water
Water transparency

Water column
UF: Vertical structure (water bodies)
BT: Layers
NT: Deep layer
Mixed layer
Surface layers
RT: Benthic boundary layer
Epiplankton
Heat budget
Hydrosphere
Hytoplankton
Stratification
Thermocline
Vertical advection
Vertical profiles
Water bodies

Water conservation
SN: Concerning only the different types of water resources
BT: Conservation
RT: Evaporation reduction
Water
Water authorities
Water management
Water policy
Water pollution
Water quality
Water resources
Water use

Water content
UF: Moisture content
RT: Biochemical composition
Dehydration
Dewatering
Drying
Evapotranspiration
Humidity
Hygrometry
Pore pressure
Pore water
Porosity
Sediment properties
Transpiration
Water
Wet bulk density
Wet weight

Water current observations
USE: Current observations

Water currents
UF: Currents (water)
Water flow
BT: Water motion
NT: Bottom currents
Boundary currents
Coastal currents
Countercurrents
Gradient currents
Inertial currents
Lake currents
Nearshore currents
Ocean currents
Shelf currents
Slope currents
Stream flow
Subsurface currents
Surface currents
Tidal currents
Undercurrents
Wind-driven currents
RT: Bottom topography effects
Channels
Current charts
Current data
Current direction
Current forces
Current meandering
Current measurement
Current measuring equipment
Current meters
Current power
Current prediction
Current reversal
Current roses
Current scouring
Current vectors
Density flow
Energy spectra
Fluid flow
Fluid motion
Horizontal motion
Physical limnology
Physical oceanography
Residual flow
Rheotaxis
Rheotropism
Streamlines
Water
Water circulation

Water cycle
USE: Hydrologic cycle

Water density
UF: Density (water)
BT: Density
Water properties
NT: In situ density
Potential density
Relative density
Sigma-T
RT: Buoyancy
Cabling

Water current data
USE: Current data
Chlorinity
Chlorosity
Density charts
Density field
Density fronts
Density gradients
Density interfaces
Density measurement
Density profiles
Density sections
Density stratification
Hydrostatic pressure
Isopycnic surfaces
Isopycnic
Monin-Obukhov length
Pycnocline
Salinity
Specific volume
Specific volume anomalies
Water

Water depth
UF: Nautical bottom
BT: depth
RT: Bathymeters
Bathymetric charts
Bathymetric data
Bathymetric profiles
Bathymetric surveys
Bathymetry
Bathythermographic data
Bathythermographs
Deep currents
Deep water
Depth recorders
Hydrographic surveying
Hydrographic surveys
Isobaths
Saturation depth
Shallow water
Soundings
Water
Wave attenuation
Wave parameters
Wind wave parameters

Water depth measurement
USE: Bathymetry

Water desalting
USE: Desalination

Water exchange
SN: Net exchange of water between adjacent water bodies
RT: Conservation of salt
Heat transport
Inflow
Outflow
Straits
Water budget

Water filters
BT: Filters
RT: Water
Water filtration

Water filtration
SN: Removal of ions and organic matter from water
UF: Filtration (water)
BT: Filtration
RT: Aeration
Aquaria
Centrifugation
Recirculating systems
Sanitary engineering
Sewage treatment
Sludge treatment
Water
Water filters
Water purification
Water quality
Water treatment

Water flow
USE: Water currents

Water hardness
UF: Hardness (water)
BT: Physical properties
Water properties
RT: Alkalinity
Calcium
Calcium compounds
Carbonates
Soaps
Water
Water analysis
Water quality

Water level measurement
BT: Measurement
NT: Sea level measurement
RT: Water levels
Wave measurement

Water levels
SN: Before 1984 search also WATER LEVELS (LAKES)
UF: Stages (water)
Water levels (lakes)
BT: Levels
NT: Sea level
RT: Droughts
Floods
Lake dynamics
Water
Water level measurement
Wind setup

Water levels (lakes)
USE: Water levels

Water management
BT: Resource management
RT: Flood control
River basin management
Water
Water authorities
Water conservation
Water policy
Water resources
Water supply

Water mass intrusions
NT: Boluses
RT: Saline intrusion
Water masses

Water masses
NT: Cold water masses
Deep-water masses
Intermediate water masses
Outflow waters
Slope water
Subsurface water
Surface water masses
Water types
RT: Cabbeling
Conservative properties
Convergence zones
Core layers (water)
Divergence zones
Frontogenesis
Hydrography
In situ density
Non-conservative properties
Oceanic convergences
Optical classification
Pycnocline
T/S diagrams
Thermocline
Thermostads
Water
Water circulation
Water mass intrusions
Water mixing
Water properties

Water mixing
UF: Mixing (water)
NT: Tidal mixing
Trans-isopycnal mixing
Transverse mixing
Vertical mixing
RT: Aeration
Buoyant jets
Cabbeling
Core layer method
Destratification
Diffusion
Dilution
Dispersion
Downwelling
Estuarine dynamics
Mixing processes
Overtturn
River plumes
Thermal plumes
Upwelling
Water
Water circulation
Water masses
Water motion

Water motion
SN: Motion in oceans and inland water bodies
UF: Water movements
BT: Motion
NT: Lee eddies
<table>
<thead>
<tr>
<th>Meandering</th>
<th>Vertical water movement</th>
<th>Water circulation</th>
<th>Water currents</th>
<th>RT: Fluid dynamics</th>
<th>Oceanic turbulence</th>
<th>Planetary waves</th>
<th>Transport processes</th>
<th>Vorticity</th>
<th>Water</th>
<th>Water mixing</th>
<th>Wave motion</th>
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<td>USE: Water motion</td>
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<td>USE: Oil water separation</td>
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<td>BT: Policies</td>
<td>RT: Irrigation water</td>
<td>Water</td>
<td>Water conservation</td>
<td>Water management</td>
<td>Water quality</td>
<td>Water resources</td>
<td>Water supply</td>
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<tr>
<td>UF: Aquatic pollution</td>
<td>BT: Pollution</td>
<td>NT: Brackishwater pollution</td>
<td>Freshwater pollution</td>
<td>Groundwater pollution</td>
<td>Marine pollution</td>
<td>RT: Chemical pollution</td>
<td>Oil pollution</td>
<td>Outfalls</td>
<td>Radioactive contamination</td>
<td>Thermal pollution</td>
<td>Waste water</td>
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<td>USE: Pollution control</td>
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<tr>
<td>BT: Water treatment</td>
<td>RT: Biodegradation</td>
<td>Chemical degradation</td>
<td>Decantation</td>
<td>Oil removal</td>
<td>Pollution control</td>
<td>Public health</td>
<td>Sanitary engineering</td>
<td>Waste treatment</td>
<td>Water pollution</td>
<td>Water purification</td>
<td>Water quality control</td>
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<td>Water pressure</td>
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<tr>
<td>USE: Hydrostatic pressure</td>
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<td>Water properties</td>
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<tr>
<td>UF: Water standards</td>
<td>RT: Biochemical oxygen demand</td>
<td>Chemical oxygen demand</td>
<td>Deoxygenation</td>
<td>Eutrophication</td>
<td>Water</td>
<td>Water analysis</td>
<td>Water conservation</td>
<td>Water filtration</td>
<td>Water hardness</td>
<td>Water policy</td>
<td>Water properties</td>
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<td>Water quality control</td>
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<tr>
<td>BT: Quality control</td>
<td>RT: Pollution control</td>
<td>Water pollution treatment</td>
<td>Water quality</td>
<td>Water sampling</td>
<td>Water treatment</td>
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<td>Water reclamation</td>
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<tr>
<td>UF: Reclamation (water)</td>
<td>BT: Reclamation</td>
<td>RT: Waste water</td>
<td>Water resources</td>
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<td>Water reservoirs</td>
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<tr>
<td>UF: Impounding lakes</td>
<td>Reservoirs (water)</td>
<td>BT: Inland waters</td>
<td>RT: Aquaculture facilities</td>
<td>Artificial lakes</td>
<td>Backwaters</td>
<td>Dams</td>
<td>Fishways</td>
<td>Flood control</td>
<td>Irrigation water</td>
<td>Lenitic environment</td>
<td>Limnology</td>
</tr>
<tr>
<td>Water resources</td>
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</tr>
<tr>
<td>SN: Mainly different types of water bodies or water sources of inland regions</td>
<td>BT: Natural resources</td>
<td>RT: Atmospheric precipitations</td>
<td>Droughts</td>
<td>Glaciers</td>
<td>Ground water</td>
<td>Hydrologic cycle</td>
<td>Ponds</td>
<td>Renewable resources</td>
<td>Rivers</td>
<td>Spring streams</td>
<td>Water</td>
</tr>
</tbody>
</table>
Water management
Water policy
Water pollution
Water quality
Water reclamation
Water use

**Water rights**
BT: Rights
RT: Exclusive rights
Irrigation
Irrigation water
Property rights
Ranching
Rental
Riparian rights
Water
Water supply
Water use
Water use regulations

**Water ripples**
UF: Ripples (water)
BT: Capillary waves
RT: Water

Water runup
USE: Wave runup

**Water samplers**
UF: Nansen bottles
Niskin samplers
Water bottles
BT: Samplers
RT: Limnological equipment
Pore water samplers
Water samples
Water sampling

**Water samples**
BT: Samples
RT: Chemical analysis
Water samplers
Water sampling

**Water sampling**
BT: Sampling
RT: Water
Water analysis
Water quality
Water quality control
Water samplers
Water samples

Water seepages
USE: Submarine springs

**Water springs**
SN: Use of a more specific term is recommended
UF: Freshwater springs
Springs (water)
NT: Geothermal springs
Hot springs
Spring streams
Submarine springs
RT: Lotic environment

Seepages
Water

**Water standards**
USE: Water quality

**Water structure**
RT: Water properties

**Water supply**
RT: Desalination plants
Water
Water management
Water policy
Water quality
Water rights
Water treatment
Water use

Water surface salinity
USE: Surface salinity

**Water table**
RT: Drainage water
Ground water
Water
Watersheds

Water tanks
USE: Tanks

**Water temperature**
BT: Temperature
Water properties
NT: Bottom temperature
In situ temperature
Palaeotemperature
Surface temperature
RT: Abiotic factors
Bathythermographs
Cablending
Cold season
Cold water masses
Evaporation
Geothermal springs
Heat content
Hydroclimate
Isotherms
Physical limnology
Physical oceanography
Potential temperature
Refractive index
Sediment temperature
T/S diagrams
Temperature charts
Temperature effects
Temperature gradients
Temperature profiles
Temperature sections
Thermal microstructure
Thermal pollution
Thermal stratification
Thermal structure
Thermocline
Thermostads
Water
Water analysis
Water temperature data
Water types

**Water temperature data**
BT: Hydrographic data
Temperature data
RT: Limnological data
Oceanographic data
Water temperature

**Water transparency**
UF: Transparency (water)
BT: Transparency
Water properties
RT: Extinction coefficient
Light absorption
Light attenuation
Light scattering
Nephelometers
Transmittance
Turbidity
Water
Water colour

**Water treatment**
NT: Desalination
Wastewater treatment
Water pollution treatment
Water purification
RT: Aeration
Biofilters
Coagulation
Decantation
Dechlorination
Ion exchange
Oil water separation
Oxygenation
Water
Water analysis
Water filtration
Water quality control
Water supply

**Water types**
BT: Water masses
NT: Optical water types
RT: Core layers (water)
Hydrography
Salinity
T/S diagrams
Water
Water temperature

**Water use**
UF: Use of water
Water utilization
BT: Utilization

301
# ASFA THESAURUS

<table>
<thead>
<tr>
<th>RT</th>
<th>Water</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Water conservation</td>
</tr>
<tr>
<td></td>
<td>Water pollution</td>
</tr>
<tr>
<td></td>
<td>Water resources</td>
</tr>
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<td></td>
<td>Water rights</td>
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<tr>
<td></td>
<td>Water supply</td>
</tr>
<tr>
<td></td>
<td>Water use regulations</td>
</tr>
</tbody>
</table>

## Water use regulations

<table>
<thead>
<tr>
<th>SN:</th>
<th>Policy and ownership of land and inland waters</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT:</td>
<td>Legislation</td>
</tr>
<tr>
<td>RT:</td>
<td>Recreational waters</td>
</tr>
<tr>
<td></td>
<td>Water rights</td>
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<tr>
<td></td>
<td>Water use</td>
</tr>
</tbody>
</table>

## Water utilization

<table>
<thead>
<tr>
<th>USE:</th>
<th>Water use</th>
</tr>
</thead>
</table>

## Water vapour

<table>
<thead>
<tr>
<th>RT</th>
<th>Condensation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Dew point</td>
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<tr>
<td></td>
<td>Greenhouse effect</td>
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<tr>
<td></td>
<td>Humidity</td>
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<td>Hydrometers</td>
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<td>Hygrometers</td>
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<td></td>
<td>Hygrometry</td>
</tr>
<tr>
<td></td>
<td>Mixing ratio</td>
</tr>
<tr>
<td></td>
<td>Moisture</td>
</tr>
<tr>
<td></td>
<td>Sublimation</td>
</tr>
<tr>
<td></td>
<td>Vapour pressure</td>
</tr>
<tr>
<td></td>
<td>Water</td>
</tr>
</tbody>
</table>

## Water vapour pressure

| USE: | Vapour pressure |

## Water vapour transfer

| USE: | Moisture transfer |

## Water wave forecasting

| USE: | Wave forecasting |

## Water wave motion

| USE: | Wave motion |

## Water wave propagation

| USE: | Wave propagation |

## Water wave statistics

| USE: | Wave statistics |

## Water waves

<table>
<thead>
<tr>
<th>UF:</th>
<th>Waves (water)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT:</td>
<td>Catastrophic waves</td>
</tr>
<tr>
<td></td>
<td>Deep-water waves</td>
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<tr>
<td></td>
<td>Destructive waves</td>
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<tr>
<td></td>
<td>Equatorial waves</td>
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<tr>
<td></td>
<td>Freak waves</td>
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<td></td>
<td>Giant waves</td>
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<td>Gravity waves</td>
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<td></td>
<td>Inertial waves</td>
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<td></td>
<td>Internal waves</td>
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<td></td>
<td>Irregular waves</td>
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<td></td>
<td>Linear waves</td>
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<td>Nonlinear waves</td>
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<td>Oscillatory waves</td>
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<td></td>
<td>Regular waves</td>
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<tr>
<td></td>
<td>Shallow water waves</td>
</tr>
</tbody>
</table>

## Water waves action

| USE: | Wave effects |

## Water waves attenuation

| USE: | Wave attenuation |

## Water waves celerity

| USE: | Wave velocity |

## Waves

<table>
<thead>
<tr>
<th>RT</th>
<th>Water</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Waves</td>
</tr>
</tbody>
</table>

## Watersheds

<table>
<thead>
<tr>
<th>UF:</th>
<th>Watershed (divide)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RT:</td>
<td>Catchment area</td>
</tr>
<tr>
<td></td>
<td>Drainage water</td>
</tr>
<tr>
<td></td>
<td>Flood control</td>
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<tr>
<td></td>
<td>Ground water</td>
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<tr>
<td></td>
<td>Lake basins</td>
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<td></td>
<td>River basins</td>
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<tr>
<td></td>
<td>Runoff</td>
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<tr>
<td></td>
<td>Stream flow</td>
</tr>
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<td></td>
<td>Valleys</td>
</tr>
<tr>
<td></td>
<td>Water table</td>
</tr>
</tbody>
</table>

## Watershed (divide) application

| USE: | Watersheds |

## Waterspouts

<table>
<thead>
<tr>
<th>RT</th>
<th>Atmospheric motion</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hurricanes</td>
</tr>
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<td>Tornadoes</td>
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<td>Vortices</td>
</tr>
</tbody>
</table>

## Wave absorbers

| RT | Wave damping |

## Wave action

<table>
<thead>
<tr>
<th>UF:</th>
<th>Density (wave action)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Wave action density</td>
</tr>
<tr>
<td>BT:</td>
<td>Wave effects</td>
</tr>
<tr>
<td></td>
<td>Ship motion</td>
</tr>
</tbody>
</table>

## Wave analysis

<table>
<thead>
<tr>
<th>BT:</th>
<th>Analysis</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT:</td>
<td>Tidal analysis</td>
</tr>
</tbody>
</table>

## Wave amplitude

<table>
<thead>
<tr>
<th>BT:</th>
<th>Amplitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT:</td>
<td>Tidal amplitude</td>
</tr>
<tr>
<td>RT:</td>
<td>Wave attenuation</td>
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<tr>
<td></td>
<td>Wave damping</td>
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<td></td>
<td>Wave height</td>
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<tr>
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<td>Wave properties</td>
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</tbody>
</table>

## Wave breaking

<table>
<thead>
<tr>
<th>BT:</th>
<th>Wave dissipation</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT:</td>
<td>Internal wave breaking</td>
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<tr>
<td></td>
<td>Whitecapping</td>
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<tr>
<td>RT:</td>
<td>Breaking waves</td>
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<tr>
<td></td>
<td>Wave crests</td>
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<tr>
<td></td>
<td>Wave dynamics</td>
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<tr>
<td></td>
<td>Wave processes on beaches</td>
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<td>Waves on beaches</td>
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</table>

## Wave buoys

<table>
<thead>
<tr>
<th>BT:</th>
<th>Data buoys</th>
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<tbody>
<tr>
<td>RT:</td>
<td>Wave direction sensors</td>
</tr>
<tr>
<td></td>
<td>Wave measuring equipment</td>
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<tr>
<td></td>
<td>Wave power devices</td>
</tr>
</tbody>
</table>

## Wave celerity

| USE: | Wave velocity |
Wave climate
RT: Climate
Climatological charts
Design wave
Environmental conditions
Sea state
Wave forces
Wind waves
Wave control (water waves)
USE: Wave damping

Wave crests
RT: Breaking waves
Long-crested waves
Short-crested waves
Wave breaking
Wave geometry
Wave slope

Wave damping
SN: Induced reduction in water wave amplitude
UF: Damping (water waves)
Wave control (water waves)
BT: Damping
RT: Breakwaters
Ship motion
Surface films
Surface water waves
Wave absorbers
Wave amplitude
Wave attenuation
Wave dissipation

Wave data
SN: Data on water waves
UF: Wave records
BT: Data
RT: Oceanographic data
Wave statistics
Wave decay
USE: Wave dissipation

Wave diffraction
SN: Use only for water waves and specify type of wave
BT: Diffraction
RT: Water waves
Wave interactions
Wave propagation

Wave direction
BT: Direction
RT: Directional spectra
Long-crested waves
Short-crested waves
Wave direction sensors
Wave properties

Wave direction sensors
BT: Sensors
RT: Wave buoys
Wave direction
Wave measuring equipment

Wave dispersion
SN: Use only for water waves and specify type of wave
UF: Dispersion (water waves)
BT: Dispersion
RT: Group velocity
Phase velocity
Water waves
Wave attenuation
Wave groups
Wave motion
Wave propagation
Wave trains

Wave dissipation
SN: Use only for water waves and specify type of wave
UF: Dissipation (water waves)
Wave decay
Wave energy dissipation (water waves)
BT: Energy dissipation
NT: Tidal dissipation
Wave attenuation
Wave breaking
RT: Bottom friction
Breaking waves
Oceanic turbulence
Surf zone
Water waves
Wave damping
Wave energy
Wave motion
Wave scattering
Whitecapping

Wave drift velocity
UF: Mass transport velocity
Stokes drift
BT: Velocity
RT: Mass transport
Orbital velocity
Particle motion
Water waves
Wave dynamics

Wave dynamics
NT: Tidal dynamics
RT: Bay dynamics
Wave breaking
Wave drift velocity
Wave motion

Wave effects
UF: Water waves action
NT: Wave action
RT: Backwash
Beach erosion
Beach profiles
Buoy motion
Capsizing
Flooding
Reflectance
Sediment transport
Ship motion
Tsunamis
Water waves

Wave energy
SN: Used for the natural energy bound up in the motion of water waves. For exploitation of that energy use WAVE POWER
BT: Energy
NT: Tidal energy
RT: Energy transfer
Wave dissipation
Wave effects
Wave power
Wave power devices
Wave spectra

Wave energy dissipation (water waves)
USE: Wave dissipation

Wave energy spectra
USE: Wave spectra

Wave fetch
USE: Fetch

Wave followers
USE: Instrument platforms

Wave forces
UF: Impact (waves)
Slamming
Wave load
Wave pressure
BT: Loads (forces)
RT: Design wave
Flow around objects
Hydrodynamics
Morison's equation
Ship motion
Wave climate
Wave effects

Wave forecasting
UF: Water wave forecasting
Wave forecasts
BT: Wave predicting
RT: Design wave
Ship routing
Significant wave height
Wave hindcasting

Wave forecasts
USE: Wave forecasting

Wave formation (water waves)
USE: Wave generation

Wave frequency
SN: Before 1982 search WAVE PERIOD
BT: Frequency
RT: Wave period
Wave properties
Wave spectra
Wave gauges
USE: Wave measuring equipment

Wave generation
SN: Use only for water waves and specify type of wave
UF: Generation (water waves)
Wave formation (water waves)
Wave growth (water waves)
NT: Internal wave generation
Storm surge generation
Tsunami generation
Wind wave generation
RT: Energy transfer
Water waves
Wave generators
Wave motion

Wave generators
SN: Mechanical devices used to generate water waves in wave tanks
RT: Water waves
Wave generation
Wave tanks

Wave geometry
SN: Search also SURFACE GEOMETRY before 1982
UF: Surface geometry (water waves)
Wave shape
Wave topography
RT: Surface properties
Surface water waves
Wave crests
Wave height
Wave slope
Wave statistics

Wave groups
RT: Group velocity
Water waves
Wave dispersion
Wave statistics
Wave trains

Wave growth (water waves)
USE: Wave generation

Wave height
SN: Use for surface water waves except tides
NT: Significant wave height
RT: Design wave
Extreme waves
Giant waves
Significant waves
Wave amplitude
Wave geometry
Wave properties
Wave statistics

Wave hindcasting
UF: Hindcasting (waves)
BT: Wave predicting
RT: Wave forecasting

Wave interactions
SN: Use only for water waves
UF: Wave-air interactions
Wave-ice interaction
BT: Interactions
NT: Nonlinear wave interactions
Resonant wave interaction
Wave trapping
Wave-current interaction
Wave-seaiced interaction
Wave-wave interaction
Wave wind interaction
RT: Atmospheric boundary layer
Energy transfer
Momentum transfer
Shear flow
Surface layers
Turbulence
Water waves
Wave diffraction
Wave motion
Wave reflection
Wave refraction
Waves on beaches

Wave load
USE: Wave forces

Wave measurement
RT: Photogrammetry
Radar altimetry
Satellite altimetry
Stereophotography
Water level measurement
Wave measuring equipment

Wave measuring equipment
UF: Wave gauges
Wave meters
Wave staff sensors
Wave staffs
BT: Measuring devices
RT: Echosounders
Pressure sensors
Radars altimeters
Surface water waves
Wave buoys
Wave direction sensors
Wave measurement
Wave measuring platforms
Wave recorders
Wave tanks

Wave measuring platforms
RT: Wave measuring equipment
Wave meters
USE: Wave measuring equipment

Wave motion
SN: Use only for general works on wave phenomena
UF: Water wave motion
Wave theory
RT: Absorption
Absorption (physics)
Attenuation

Wave number
RT: Wave properties
Wave spectra
Wavelength
Wave overtopping
USE: Overtopping

Wave parameters
RT: Duration
Fetch
Water depth
Water waves
Wave properties
Wind speed
Wind stress
Wave particle motion
USE: Particle motion
Wave particle velocity
USE: Orbital velocity

Wave period
RT: Regular waves
Significant waves
Surges
Wave frequency
Wave properties
Wave statistics

Wave phase
RT: Wave properties

Wave power
SN: Utilizing the energy of waves as a source of power
BT: Power from the sea
RT: Hydroelectric power
Tidal power
Wave energy
Wave power devices

Wave power devices
BT: Electric power sources
RT: Hydroelectric power plants
Wave buoys
Wave energy
Wave power
Wave power spectra
USE: Wave spectra
Wave predicting
SN: Use only for prediction of wind waves
BT: Prediction
NT: Wave forecasting
Wave hindcasting
RT: Sea state
Wave properties
Wave pressure
USE: Wave forces

Wave processes on beaches
UF: Wave setdown
Wave setup
Wave runup
Longshore currents
Wave breaking
Waves on beaches

Wave propagation
SN: Use only for water waves and specify type of wave
UF: Propagation (water waves)
Transmission (water waves)
Water wave propagation
Wave transmission
NT: Tidal propagation
RT: Water waves
Wave attenuation
Wave diffraction
Wave dispersion
Wave motion
Wave reflection
Wave refraction
Wave scattering

Wave properties
RT: Physical properties
Seismic waves
Sound waves
Water waves
Wave amplitude
Wave direction
Wave frequency
Wave height
Wave number
Wave parameters
Wave period
Wave phase
Wave predicting
Wave slope
Wave spectra
Wave statistics
Wave topography
Wind wave parameters

Wave recorders
UF: Capacitance wire wave recorders
Shipborne wave recorders
Surface wave recorders
BT: Recording equipment
RT: Accelerometers
Water waves
Wave measuring equipment
Wind waves

Wave records
USE: Wave data

Wave reflection
SN: Use only for water waves and specify type of wave
UF: Reflection (water waves)
BT: Reflection
RT: Standing waves
Wave interactions
Wave propagation

Wave refraction
SN: Before 1982 search also REFRACTION (WATER WAVES). Use only for water waves and specify type of wave
UF: Refraction (water waves)
BT: Refraction
RT: Bottom topography effects
Shallow water
Wave interactions
Wave propagation
Wave refraction diagrams
Waves on beaches

Wave refraction diagrams
BT: Graphs
RT: Caustics
Orthogonals
Wave refraction

Wave runup
SN: Before 1986 search also SWASH
UF: Surges (beach)
Swash
Water runup
BT: Wave processes on beaches
RT: Backwash
Breakwaters
Sea walls

Wave sand ripples
USE: Sand ripples

Wave scattering
SN: Use only for water waves
UF: Scattering (water waves)
RT: Wave attenuation
Wave dissipation
Wave propagation

Wave scouring
SN: Before 1983 search CURRENT SCOURING
UF: Current scouring
Current scouring
Shallow water waves
Surface water waves
Wave-cut platforms

Wave setup
USE: Wave processes on beaches

Wave shape
USE: Wave geometry

Wave slope
UF: Wave steepness
RT: Sand waves
Surface slope
Water waves
Wave crests
Wave geometry
Wave properties
Wave slope followers
USE: Instrument platforms

Wave spectra
UF: Wave energy spectra
Wave power spectra
BT: Spectra
RT: Wave energy
Wave frequency
Wave number
Wave properties
Wave statistics

Wave staff sensors
USE: Wave measuring equipment
Wave staffs
USE: Wave measuring equipment

Wave statistics
UF: Water wave statistics
BT: Statistics
RT: Design wave
Water waves
Wave data
Wave geometry
Wave groups
Wave height
Wave period
Wave properties
Wave spectra
Wave velocity
Wave steepness
USE: Wave slope

Wave tanks
BT: Tanks
RT: Flumes
Hydraulic models
Laboratory equipment
Test equipment
Towing tanks
Wave generators
Wave measuring equipment
Wave theory
USE: Wave motion

Wave topography
USE: Wave geometry
Wave trains
  RT: Benjamin Feir instability
  Water waves
  Wave dispersion
  Wave groups

Wave transmission
  USE: Wave propagation

Wave trapping
  BT: Wave interactions
  RT: Topographic effects
  Trapped waves
  Water waves

Wave velocity
  SN: Use only for water waves
  UF: Wave celerity
  Wave velocity (water waves)
  BT: Velocity
  RT: Group velocity
  Orbital velocity
  Phase velocity
  Water waves
  Wave properties
  Wave statistics

Wave velocity (seismic)
  USE: Seismic velocities

Wave velocity (sound)
  USE: Sound velocity

Wave velocity (water waves)
  USE: Wave velocity

Wave-air interactions
  USE: Wave interactions

Wave-current interaction
  BT: Wave interactions
  RT: Giant waves
  Longshore currents
  Momentum transfer
  Rip currents

Wave-cut platforms
  UF: Beach platforms
  Erosion platforms
  Strandflats
  BT: Beach features
  RT: Cliffs
  Erosion surfaces
  Stranlines
  Terraces
  Wave scouring

Waveform analysis
  BT: Wave analysis
  RT: Fourier analysis
  Harmonic analysis
  Spectral analysis

Wave-ice interaction
  USE: Wave interactions

Wave-induced loading
  BT: Loads (forces)
  RT: Cyclic loading
  Pore pressure
  Wave-sealed interaction

Wavelength
  RT: Wave number
  Wave properties

Waves (elastic)
  USE: Elastic waves

Waves (electromagnetic)
  USE: Electromagnetic radiation

Waves (planetary)
  USE: Planetary waves

Waves (sand)
  USE: Sand waves

Waves (seismic)
  USE: Seismic waves

Waves (sound)
  USE: Sound waves

Waves (water)
  USE: Water waves

Waves on beaches
  USE: Wave-shore interaction

Wave-seabed interaction
  BT: Wave interactions
  RT: Bed forms
  Benthic boundary layer
  Bottom pressure
  Cyclic loading
  Sediment-water interface
  Wave-induced loading

Wave-shore interaction
  USE: Waves on beaches

Wave-wave interaction
  BT: Wave interactions
  NT: Short wave-long wave interactions
  Surface wave-internal wave interactions
  Tide-surge interaction
  RT: Resonant wave interaction
  Water waves

Wax
  USE: Waxes

Waxes
  UF: Wax
  BT: Lipids
  RT: Animal products
  Petroleum

Wear
  SN: As applied to materials
  RT: Deterioration
  Friction
  Toughness
  Weathering

Weather
  SN: State of the atmosphere at a given time as defined by the meteorological elements. Before 1982 search WEATHER CONDITIONS
  UF: Atmospheric conditions
  WEATHER CONDITIONS
  BT: Climate
  RT: Air temperature
  Atmospheric depressions
  Atmospheric precipitations
  Atmospheric pressure
  Cloud cover
  Clouds
  Fog
  Humidity
  Ice conditions
  Lightning
  Meteorology
  Rainfall
  Sea level pressure
  Sea state
  Troposphere
  Weather forecasting
  Weather hazards
  Weather maps
  Wind speed

Weather conditions
  USE: Weather

Weather forecast map
  USE: Weather maps

Weather forecasting
  UF: Weather forecasts
  BT: Prediction
  RT: Atmospheric fronts
  Atmospheric pressure
  Climate prediction
  Meteorology
  Ship routing
  Tropical depressions
Weather
Weather hazards
Weather maps
Weather ships
Weather forecasts
USE: Weather forecasting

Weather hazards
BT: Hazards
NT: Droughts
Floods
Icing
Storms
RT: Weather
Weather forecasting

Weather maps
UF: Weather forecast map
BT: Meteorological charts
RT: Meteorological observations
Weather
Weather forecasting
Wind direction
Wind speed

Weather routing
USE: Ship routing

Weather ships
UF: Ocean weather ships
BT: Ships
RT: Data buoys
Ocean stations
Research vessels
Selected ships
Weather forecasting

Weathering
RT: Corrosion
Degradation
Environmental effects
Erosion
Fate
Leaching
Wear

Weed cutting
USE: Plant control

Weeds
UF: Aquatic weeds
BT: Flora
NT: Freshwater weeds
Seaweeds
RT: Aquatic plants
Plant control
Pleuston

Weekly
BT: Periodicity

Wegener hypothesis
USE: Continental drift

Weight
BT: Physical properties
NT: Dry weight
Molecular weight
Wet weight
RT: Displacement
Gravity
Loads (forces)
Mass
Pressure
Specific gravity

Weight-length relationships
USE: Length-weight relationships

Weirs
SN: Structures built across rivers or channels to divert water and raise the water level
BT: Barrages
RT: Dams

Welding
UF: Explosive welding
NT: Electric arc welding
Welding underwater
RT: Cutting
Heat affected zones
Pipeline construction

Welding underwater
BT: Welding
Working underwater
RT: Cutting underwater

Well completion
UF: Completion (well)
Offshore completion
RT: Oil wells

Well logging
BT: Logging
RT: Boreholes

Well workover operations
UF: Workovers
RT: Oil and gas production

Wellheads
UF: Christmas trees
Underwater wellheads
BT: Underwater structures
RT: Blowout preventers
Flowlines
Manifolds
Subsea production systems
Templates

Wells (oil and gas)
USE: Oil wells

Western boundary currents
BT: Boundary currents
RT: Western boundary undercurrents
Westward intensification

Western boundary undercurrents
BT: Undercurrents
RT: Contour currents
Western boundary currents

Westward intensification
SN: Westward intensification of velocity of wind driven currents
RT: Current velocity
Planetary vorticity
Western boundary currents

Wet bulk density
BT: Sediment density
RT: Grain size
Porosity
Water content

Wet season
USE: Rainy season

Wet submersibles
BT: Submersibles
RT: Untethered vehicles

Wet weight
BT: Weight
RT: Density
Water content

Wetlands
BT: Inland waters
NT: Marshes
Swamps
RT: Cheniers
Deltas
Flooding
Land reclamation
Stagnant water

Whale standing
USE: Stranding

Whalebones
USE: Baleens

Whaling
UF: Whaling techniques
BT: Hunting
NT: Artisanal whaling
RT: Blue whale unit
Whaling regulations
Whaling stations
Whaling statistics

Whaling regulations
BT: Fishery regulations
RT: Blue whale unit
International agreements
Whaling
Whaling stations
RT: Whaling

Whaling statistics
SN: Catch tabulation of whales and allied species including derived industrial products
BT: Catch statistics
RT: Blue whale unit Whaling Wounding

Whaling techniques
USE: Whaling

Whelk fisheries
USE: Gastropod fisheries

Whirling disease
UF: Tumbling disease
BT: Fish diseases
RT: Parasitic diseases Swim bladder

White muscles
USE: Muscles

Whitecapping
BT: Wave breaking
RT: Wave dissipation Whitecaps

Whitecaps
BT: Breaking waves
RT: Foams Whitecapping

Whiting fisheries
USE: Gadoid fisheries

Width
UF: Breadth
BT: Dimensions

Wild fish stocks
USE: Stocks

Wild spawning
SN: Before 1982 search SPAWNING
UF: Uncontrolled spawning
BT: Spawning

Wildlife conservation
USE: Nature conservation

Wildlife refuges
USE: Refuges

Winches
BT: Lifting tackle
RT: Fishing gear Gear handling Towing

Wind
USE: Winds

Wind abrasion
RT: Eolian transport Scouring Winds

Wind constancy
RT: Variability Wind power Wind speed

Wind data
BT: Meteorological data
RT: Wind direction Wind fields Wind measurement Wind speed Wind stress Winds

Wind direction
BT: Direction
RT: Weather maps Wind data Wind measurement Wind roses Wind speed Wind vectors Windrows Winds

Wind drift (current)
USE: Wind-driven currents

Wind energy
USE: Wind power

Wind erosion
BT: Erosion
RT: Soil erosion Winds

Wind fields
RT: Wind data Winds

Wind forces
USE: Wind pressure

Wind generated waves
USE: Wind waves

Wind loading
USE: Wind pressure

Wind measurement
BT: Flow measurement
RT: Wind data Wind direction Wind measuring equipment Wind power Wind speed Winds

Wind measuring equipment
BT: Flow measuring equipment NT: Anemometers Balloons

Wind abrasion
RT: Flowmeters Meteorological instruments Radiosondes Turbulence measurement Wind measurement Winds

Wind power
UF: Wind energy
BT: Energy resources
RT: Power from the sea Renewable resources Wind constancy Wind measurement Wind pressure Wind speed Winds

Wind pressure
SN: The force exerted on a structure by wind. Before 1983 search also WIND FORCES
UF: Wind forces Wind loading BT: Loads (forces) RT: Wind power Winds

Wind profiles
UF: Wind speed profiles
BT: Velocity profiles
RT: Atmospheric boundary layer Velocity gradients Wind shear Wind speed Winds

Wind roses
BT: Map graphics
RT: Climatological charts Current roses Wind direction Wind speed

Wind setup
SN: Use for changes in still water level due to wind stress in enclosed bodies of water
UF: Setup (wind) Wind time
RT: Lake dynamics Storm surges Water levels Wind stress

Wind shear
BT: Shear
RT: Current shear Vertical shear Wind profiles Wind speed Wind vectors

Wind speed
UF: Wind strength Wind velocity
BT: Velocity
RT: Gusts
Wave parameters
Weather
Weather maps
Wind constancy
Wind data
Wind direction
Wind measurement
Wind power
Wind profiles
Wind roses
Wind shear
Wind vectors
Wind wave parameters
Winds
Wind speed profiles
USE: Wind profiles
Wind strength
USE: Wind speed
Wind stress
UF: Surface stress
BT: Stress (mechanics)
RT: Atmospheric boundary layer
  Atmospheric forcing
    Drag
    Drag coefficient
    Ice drift
    Reynolds stresses
    Shear stress
    Sverdrup transport
    Wave parameters
    Wind data
    Wind setup
    Wind stress curl
    Wind wave generation
    Wind wave parameters
    Winds
    Wind-wave interaction
Wind stress curl
UF: Curl of wind stress
BT: Curl (vectors)
RT: Wind stress
    Wind vectors
Wind systems
USE: Winds
Wind time
USE: Wind setup
Wind tunnels
RT: Test equipment
Wind vanes
USE: Vanes
Wind vectors
BT: Map graphics
  Vectors
RT: Wind direction
  Wind shear
  Wind speed
  Wind stress curl
Wind velocity
USE: Wind speed
Wind wave generation
BT: Wave generation
RT: Air flow over water
  Drag
  Drag coefficient
  Duration
  Fetch
  Momentum transfer
  Surface roughness
  Wind stress
  Wind waves
  Wind-wave interaction
Wind wave parameters
BT: Parameters
RT: Duration
  Fetch
  Water depth
  Wave properties
  Wind speed
  Wind stress
  Wind waves
Wind waves
UF: Wind generated waves
BT: Surface water waves
RT: Surface gravity waves
  Surges
  Swell
  Wave climate
  Wave recorders
  Wind wave generation
  Wind wave parameters
  Wind-driven currents
  Wind-wave interaction
Wind-driven circulation
BT: Water circulation
RT: Ocean circulation
  Surface circulation
  Sverdrup transport
  Thermohaline circulation
  Wind-driven currents
Wind-driven currents
SN: Search also DRIFT CURRENTS
UF: Barometric currents
  Drift currents
  Wind drift (current)
BT: Water currents
RT: Biological drift
  Boundary currents
  Coastal currents
  Ekman spiral
  Longshore currents
  Nearshore currents
  Ocean currents
  Rip currents
  Surface currents
  Surface Ekman layer
  Sverdrup transport
  Upwelling
Wind-generated noise
USE: Surface noise
Windrows
BT: Slicks
RT: Cellular convection
  Langmuir circulation
  Surface films
  Surface properties
  Wind direction
Winds
UF: Wind
  Wind systems
  BT: Atmospheric motion
  NT: Gale force winds
  Geostrophic winds
  Local winds
  Planetary winds
  RT: Anticyclones
  Atmospheric circulation
  Atmospheric pressure
  Atmospheric turbulence
  Climate
  Climatology
  Cyclones
  Eolian processes
  Eolian transport
  Fetch
  Fluid flow
  Gusts
  Langmuir circulation
  Sea level pressure
  Storms
  Tornadoes
  Upwelling
  Wind abrasion
  Wind data
  Wind direction
  Wind erosion
  Wind fields
  Wind measurement
  Wind measuring equipment
  Wind power
  Wind pressure
  Wind profiles
  Wind speed
  Wind stress
  Wind-driven currents
Wind-wave interaction
BT: Wave interactions
RT: Air flow over water
  Wind stress
  Wind wave generation
  Wind waves
Wings
SN: Before 1982 search
  LOCOMOTORY APPENDAGES
  BT: Locomotory appendages
  RT: Aquatic birds
  Aquatic insects
Winkle fisheries
USE: Gastropod fisheries

Winkler method
BT: Analytical techniques
RT: Dissolved oxygen

Winnowing
BT: Sediment sorting
RT: Particle settling

Winter
BT: Seasons
RT: Cold season
Overwintering
Overwintering techniques
Winterkill

Winter eggs
USE: Resting eggs

Winterkill
SN: The loss of animals in a lake, pond or other water body as a result of heavy ice cover or mid-winter anoxia affecting eutrophic lakes
BT: Fish kill
RT: Anoxic conditions
Ice cover
Overwintering techniques
Oxygen depletion
Temperature effects
Winter

Wire angle

Wire rope
SN: Do not use for electric cables
UF: Steel wire
Wires
BT: Ropes
RT: Cable dynamics
Cables
Guide lines

Wires
USE: Wire rope

Within-year variations
USE: Seasonal variations

Women
BT: Females

Wood
BT: Materials

Work boats
USE: Support ships

Work platforms
UF: Platforms (work)
NT: Drilling platforms
Production platforms
RT: Barges
Cable ships
Dredgers
Drilling vessels

Factory ships
Fishing vessels
Fixed platforms
Offshore structures
Surface craft
Underwater habitats
Underwater structures
Underwater vehicles

Workers
USE: Personnel

Working locations
USE: Locations (working)

Working underwater
UF: Divers work
Underwater work
NT: Cutting underwater
Surveying underwater
Welding underwater
RT: Diving
Diving bells
Diving industry
Diving physiology
Diving tools
Locations (working)
Saturation diving
Underwater equipment
Underwater habitats
Underwater photography
Underwater structures
Visibility underwater

Workovers
USE: Well workover operations

Workshops
USE: Conferences

World
SN: Use for worldwide studies, e.g. economics, commodity statistics.
For world geographic descriptors, see World Entries Facet in Geographic Authority List

World Wide Web
USE: Internet

Wound culture
BT: Cultures
RT: Bait culture
Frog culture

Wounding
BT: Catching methods
RT: Hunting
Whaling statistics
Wounding gear

Wounding gear
UF: Harpoons
Impaling gear
BT: Fishing gear
RT: Spear fishing
Wounding

Xenon
BT: Rare gases
RT: Xenon isotopes

Xenon isotopes
BT: Isotopes
RT: Xenon

X-ray analysis
USE: X-ray spectroscopy

X-ray diffraction analysis
BT: X-ray spectroscopy
RT: Diffraction

X-ray emission analysis
BT: X-ray spectroscopy

X-ray fluorescence analysis
BT: X-ray spectroscopy

X-ray inspection
BT: Inspection
RT: X-ray spectroscopy
X-rays

X-ray spectroscopy
SN: Before 1982 search also X-RAY ANALYSIS
UF: X-ray analysis
BT: Spectroscopic techniques
NT: X-ray diffraction analysis  
X-ray emission analysis  
X-ray fluorescence analysis  
RT: Chemical analysis  
Radiography  
X-ray inspection  
X-rays  

X-rays  
BT: Electromagnetic radiation  
RT: X-ray inspection  
X-ray spectroscopy  

Yellow substance  
USE: Gelbstoff  
Yellow tail fisheries  
USE: Carangid fisheries  

Yield  
UF: Yield tables  
NT: Potential yield  
RT: Biological production  
Biomass  
Fishing mortality  
Overfishing  
Population number  
Recruitment  
Yield predictions  
Yield/recruit  

Yield point  
BT: Mechanical properties  
RT: Collapse strength  
Deformation  
Strength  

Yield predictions  
RT: Prediction  
Yield  

Yield tables  
USE: Yield  

Yield/recruit  
RT: Recruitment  
Yield  

Yolk  
RT: Cytoplasm  
Eggs  
Proteins  
Vitellogenesis  

Yolk formation  
USE: Vitellogenesis  

Ytterbium  
BT: Lanthanides  
RT: Ytterbium isotopes  

Ytterbium isotopes  
BT: Isotopes  
RT: Ytterbium  

Yttrium  
BT: Alkaline earth metals  
RT: Yttrium isotopes  

Yttrium isotopes  
BT: Isotopes  
RT: Yttrium  

Zeolites  
BT: Silicate minerals  
NT: Analcites  
Clnoptilonite  
Phillipsite  
RT: Metamorphic rocks  

Zinc  
BT: Heavy metals  
RT: Ferromanganese nodules  
Metalliferous sediments  
Zinc compounds  
Zinc isotopes  

Zinc compounds  
BT: Chemical compounds  
RT: Zinc  

Zinc isotopes  
BT: Isotopes  
RT: Zinc  

Zircon  
BT: Silicate minerals  
RT: Placers  
Zirconium  

Zirconium  
BT: Heavy metals  
Transition elements  
RT: Ferromanganese nodules  
Zircon  
Zirconium compounds  
Zirconium isotopes  

Zirconium compounds  
BT: Chemical compounds  
RT: Zirconium  

Zirconium isotopes  
BT: Isotopes  
RT: Zirconium  

Zoaeae  
BT: Crustacean larvae  

Zonal distribution  
SN: Distribution East-West  
between or along lines of latitude. Used only as a qualifier  
BT: Geographical distribution  
RT: Hydrographic sections  
Meridional distribution  

Zonal wind systems  
USE: Planetary winds  

Zonation (ecological)  
USE: Ecological zonation  

Zoobenthos  
UF: Benthic fauna  
BT: Benthos  
RT: Aquatic animals  

Zoogeography  
USE: Biogeography  

Zoological drawings  
USE: Illustrations  

Xylene  
BT: Aromatic hydrocarbons  

Xylose  
BT: Monosaccharides  
RT: Aldehydes  

Yacht harbours  
USE: Marinas  

Yachting  
BT: Boating  
RT: Yachts  

Yachts  
BT: Sailing ships  
RT: Marinas  
Yachting  

Yarns  
UF: Twine  
BT: Gear materials  
RT: Synthetic fibres  

Yaw  
USE: Yawing  

Yaw response  
BT: Dynamic response  
RT: Buoy motion effects  
Yawing  

Yawing  
UF: Yaw  
BT: Ship motion  
RT: Buoy motion effects  
Rolling  
Yaw response  

Year class  
RT: Age composition  

Year to year variations  
USE: Annual variations  

Yearly changes  
USE: Annual variations  

Yeast  
BT: Microorganisms  
RT: Fermentation  
Single cell proteins  

Yttrium  
BT: Alkaline earth metals  
RT: Yttrium isotopes  

Zinc  
BT: Heavy metals  
RT: Ferromanganese nodules  
Metalliferous sediments  
Zinc compounds  
Zinc isotopes  

Zircon  
BT: Silicate minerals  
RT: Placers  
Zirconium  

Zirconium  
BT: Heavy metals  
Transition elements  
RT: Ferromanganese nodules  
Zircon  
Zirconium compounds  
Zirconium isotopes  

Zirconium compounds  
BT: Chemical compounds  
RT: Zirconium  

Zirconium isotopes  
BT: Isotopes  
RT: Zirconium  

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USE: Illustrations  

Yellow substance  
USE: Gelbstoff  
Yellow tail fisheries  
USE: Carangid fisheries  

Yield  
UF: Yield tables  
NT: Potential yield  
RT: Biological production  
Biomass  
Fishing mortality  
Overfishing  
Population number  
Recruitment  
Yield predictions  
Yield/recruit  

Yield point  
BT: Mechanical properties  
RT: Collapse strength  
Deformation  
Strength  

Yield predictions  
RT: Prediction  
Yield  

Yield tables  
USE: Yield  

Yield/recruit  
RT: Recruitment  
Yield  

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Eggs  
Proteins  
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Metalliferous sediments  
Zinc compounds  
Zinc isotopes  

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BT: Silicate minerals  
RT: Placers  
Zirconium  

Zirconium  
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Transition elements  
RT: Ferromanganese nodules  
Zircon  
Zirconium compounds  
Zirconium isotopes  

Zirconium compounds  
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BT: Isotopes  
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Deformation  
Strength  

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Yield  

Yield tables  
USE: Yield  

Yield/recruit  
RT: Recruitment  
Yield  

Yolk  
RT: Cytoplasm  
Eggs  
Proteins  
Vitellogenesis  

Yolk formation  
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Zirconium compounds  
Zirconium isotopes  

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USE: Biogeography  

Zoological drawings  
USE: Illustrations
Zoologists
BT: Biologists
NT: Carcinologists
Entomologists
Ichthyologists
Malacologists
Mammalogists
Ornithologists
RT: Taxonomists
Zoology

Zoology
BT: Biology
NT: Conchology
Invertebrate zoology
Vertebrate zoology
RT: Animal physiology
Animal populations
Aquatic animals
Biogeography
Embryology
Palaeontology
Species
Taxonomy
Zoologists

Zooplankton
UF: Animal plankton
Macrophytoplankton
BT: Plankton
NT: Holoplankton
Ichthyooplankton
Merooplankton
Saproplankton
RT: Aquatic animals
Food organisms
Nekton collecting devices
Secondary production
Zooplankton culture

Zooplankton culture
BT: Cultures
RT: Brine shrimp culture
Continuous culture
Cultured organisms
Zooplankton

Zoosemiotics
USE: Animal communication

Zoopores
USE: Spores

Zooxanthellae
SN: Symbiotic unicellular yellow-green algae occurring in some radiolarians, flatworms and polyps
BT: Algae
RT: Symbionts

Zygotes
RT: Reproduction
Sexual cells
10. ASFA THESAURUS TERMINOLOGY CONTROL FORM

(fill out form and return it to the FAO ASFA Secretariat: attention: Richard.Pepe@fao.org and Helen.Wibley@fao.org)

TERM: ........................................

The above term should be:  
(check one)  - ADDED
- DELETED
- CHANGED

Because: 
(check one or more)

1) It does not appear in the Thesaurus ................................................
2) It is synonymous to another thesaurus term ......................
3) It appears in the Thesaurus with an incorrect “relationship” .......
4) It appears in the Thesaurus with an incorrect “scope note” ........
5) The spelling is incorrect........................................................

Other reasons and/or comments:

SUGGESTED ENTRY

Term: 

Scope note: 

Use: 

Use for:

Broader Term(s)  
Narrower Terms(s)  
Related Terms(s)

Suggestion from: (name and address and date)

......................................................................................................................................

ASFA Thesaurus Committee

Term or amendment:  - Accepted
- Changed
- Rejected

Reasons: