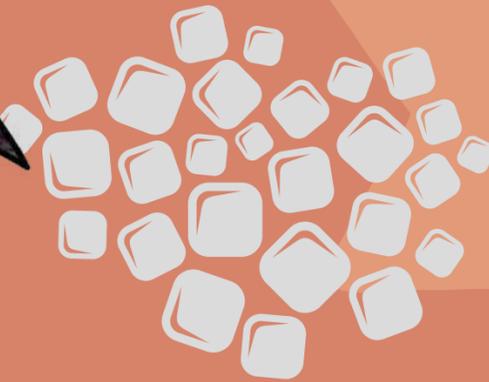
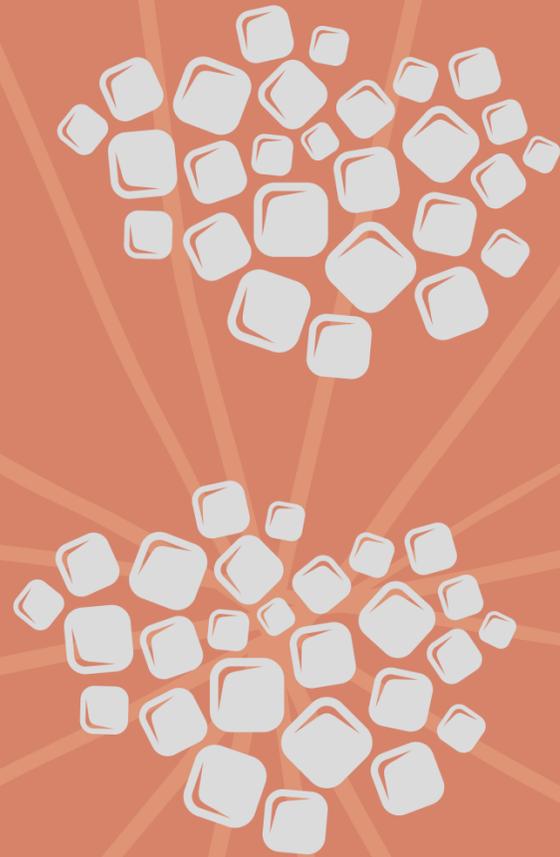
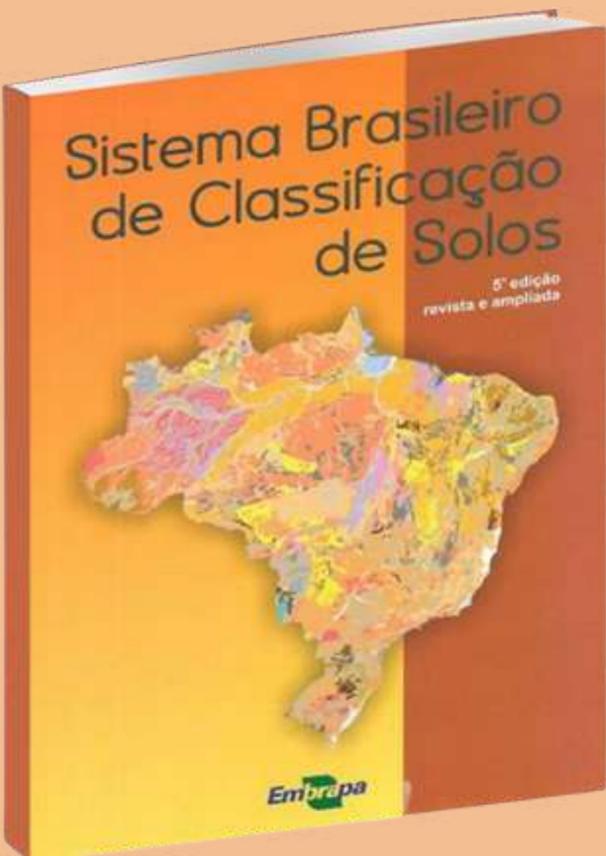


# THE FUN SOIL PROFILES IN: HOW TO REDUCE SOIL SALINIZATION TO INCREASE PRODUCTIVITY.



# INTRODUCTION

In Brazil, in 2020, the Diverse Soil Profiles extension Project was created with the objective of introducing the concept of soils in Basic Education, and in this way introducing children in a playful, creative and pleasurable way to the main existing soils in Brazil, described in the Brazilian Soil Classification System (SiBCS).

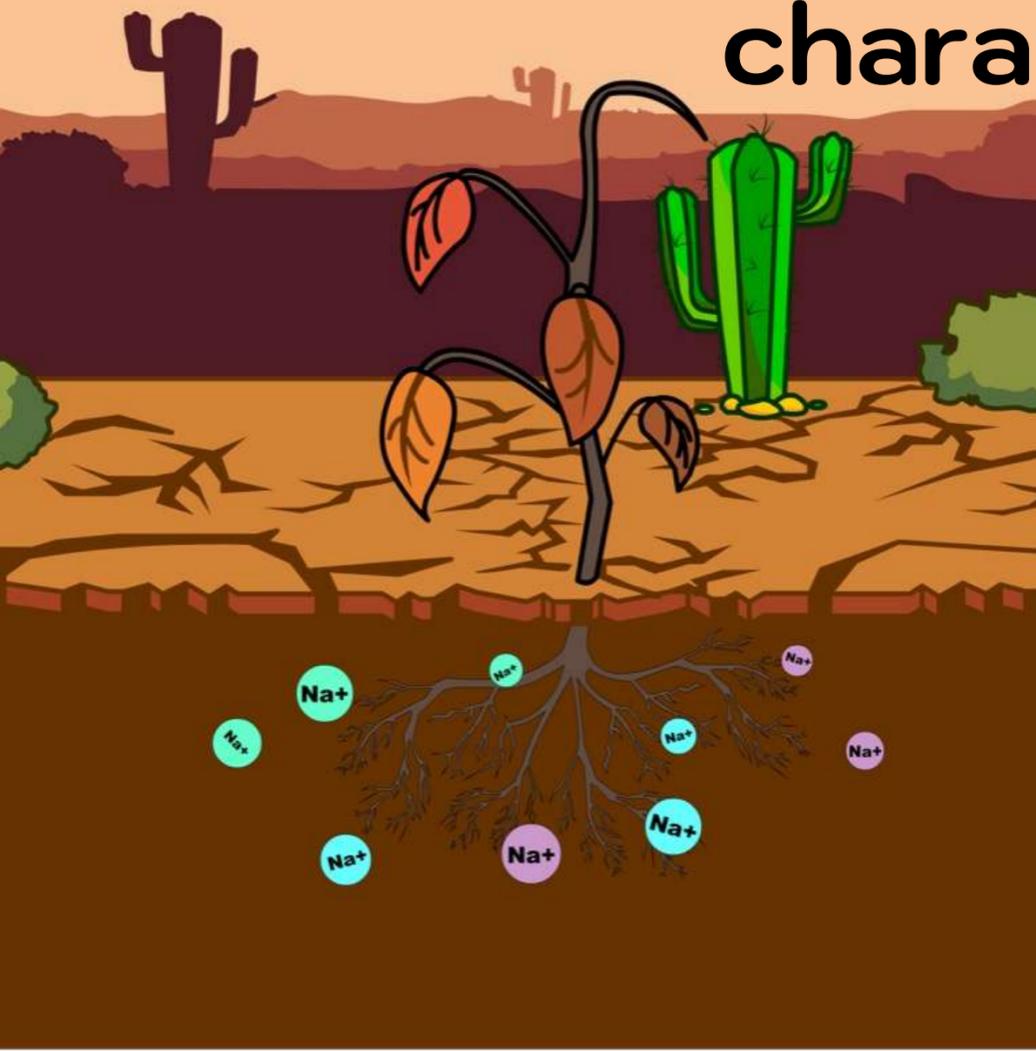


In this project, the soils present in SiBCS (13 Orders) were transformed into characters, keeping their main distinguishing characteristics, but in an attractive way for the target audience (children and teenagers).



# THE STORY

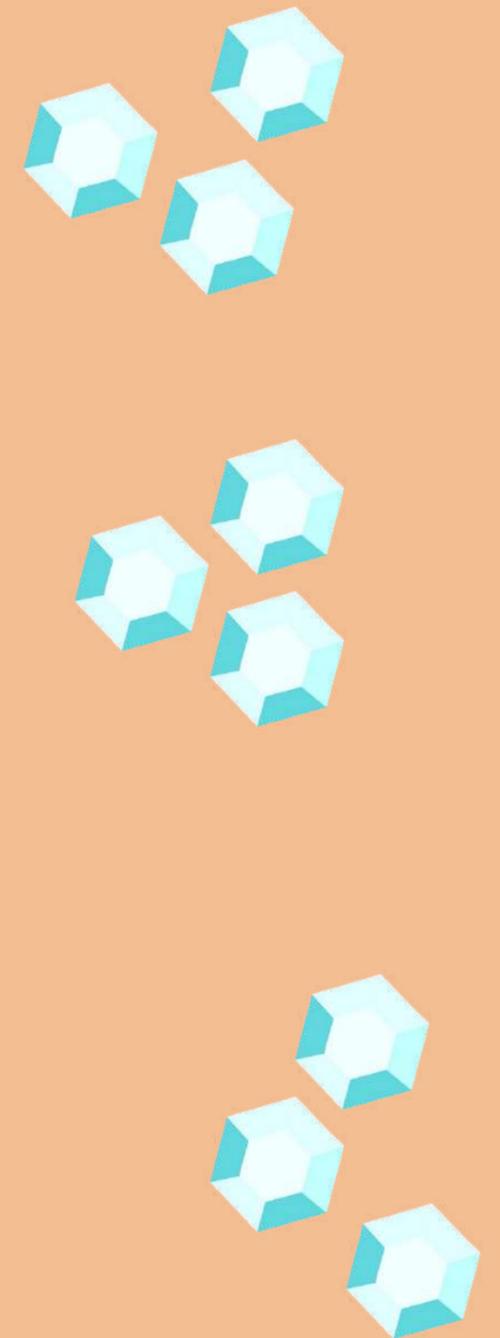
The story that will be narrated below took place in the northeast region of Brazil, in an area with a semi-arid climate, an environment where saline and sodic soils occur, in addition to others that have characteristics that reflect these climate conditions.



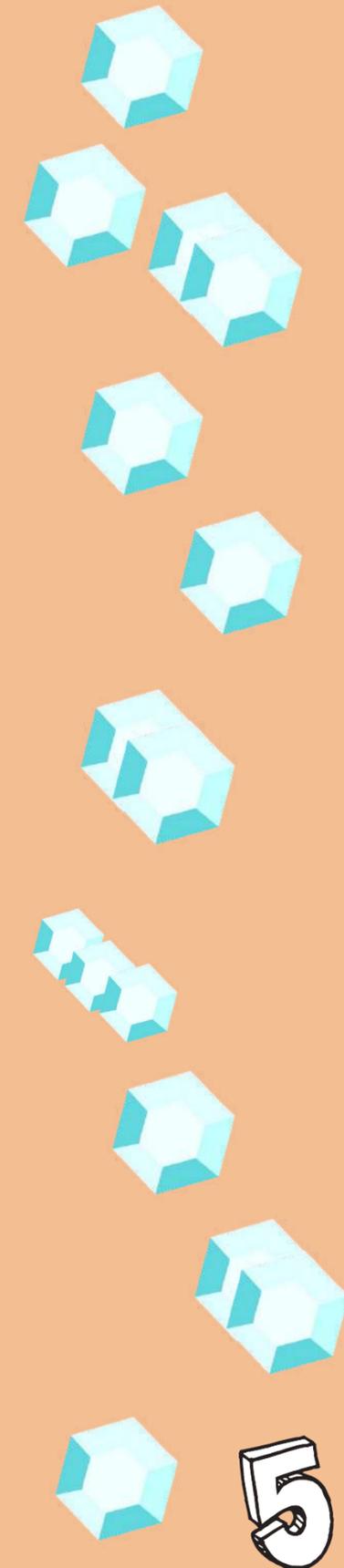
IT IS IN THIS ENVIRONMENT THAT ONE FINE DAY SOME CHARACTERS FROM THE AMUSING SOLO PROFILES MEET.  
AND WHO ARE THESE?

Let's know now:

Salicia is part of the Order of Gleissolos, characterized by soils formed in environments of prolonged drenching and in which the accumulation of salts is also observed, the character is represented by her bathing and diving suits, and her crown of salts.



“Cabra Natro” represents the Natric Planosols that have a clay accumulation horizon (Bt) associated with sodium accumulation.





And the last character is Luvi, who has a Bt horizon of clay accumulation, but features favorable to its use.

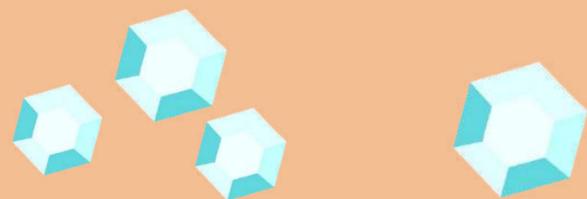


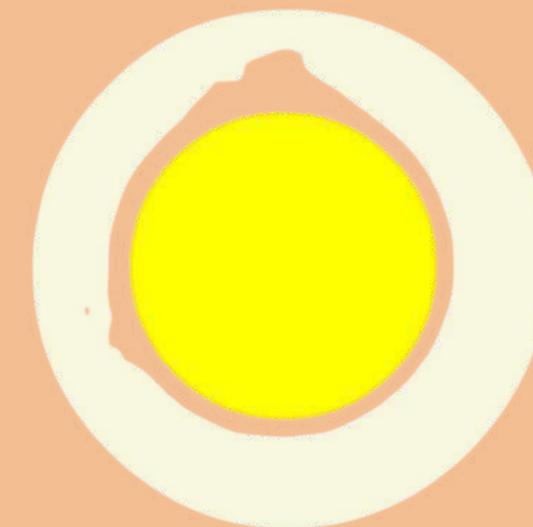
After a period without meeting, salícia and cabra natro ask Luvi how their sisters are doing, who have moved to other regions and for some time now they haven't sent any news. luvi says she is sad because her sisters are sick due to inadequate management of irrigation water used in the production areas they inhabit. Salícia and Cabra Natro are amazed, because as they have salts naturally, and have never been used, they didn't know that such a situation could occur.



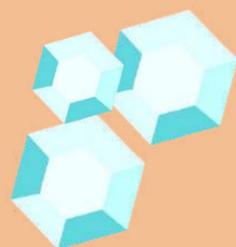


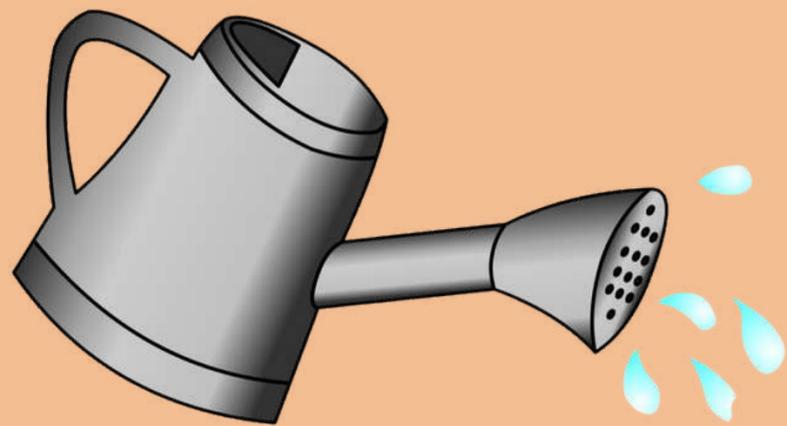
Luvi explains that his sisters weren't born that way. They were happy, as they contributed to generating healthy food for the population, but they were not taken care of as they should have since the quality of the irrigation water, with the presence of salts, made them sick. Symptoms of excess salts began to appear but they did not notice, and progressively their food production capacity was decreasing over time, and this situation made them very sad. Finally when they entered the degradation process they were rescued. One of the medications applied is the calcium sulfate serum associated with baths to reduce the concentration of salts.





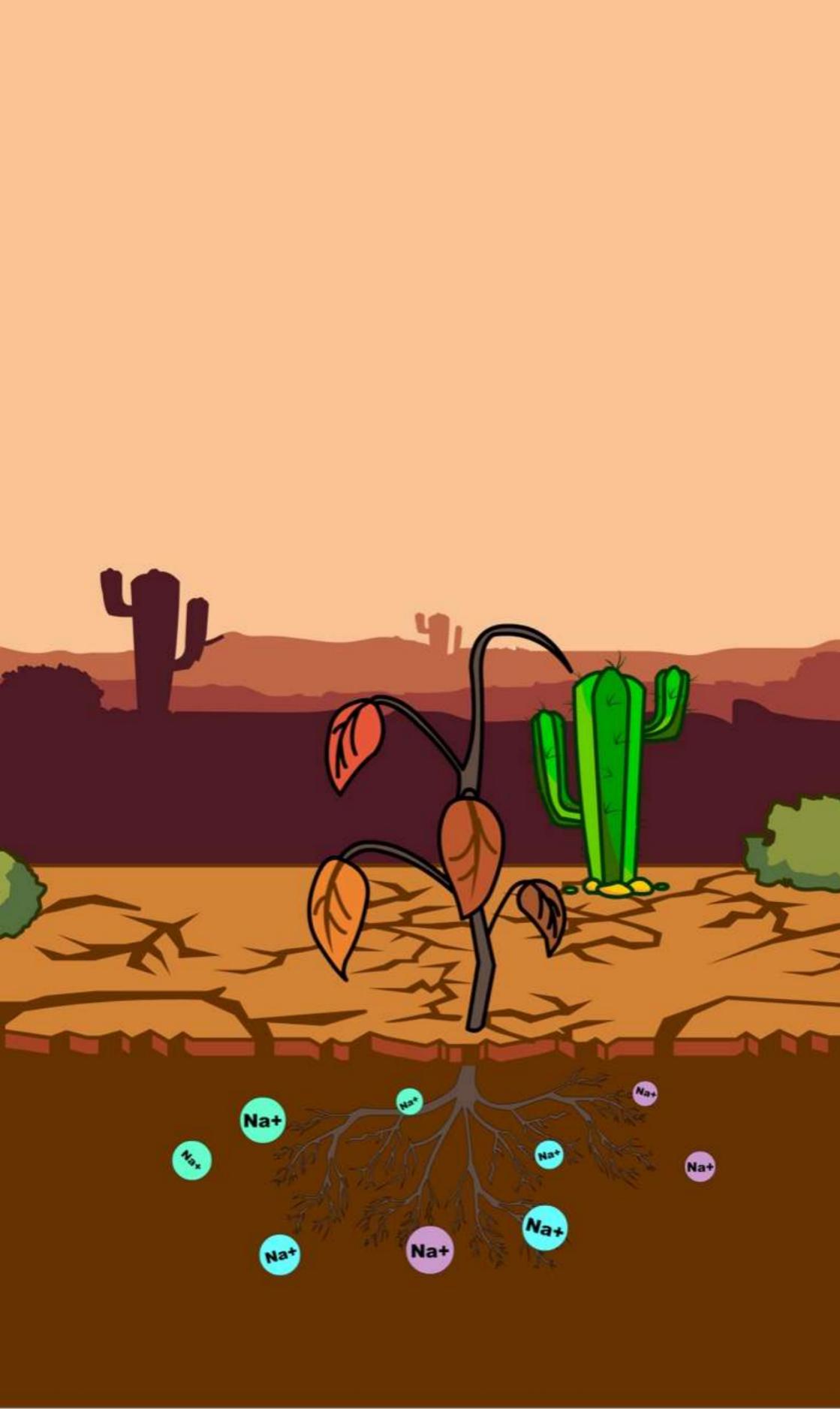
Hi! I'm Luvisali, sister of Luvi, a character who represents the Luvisols, which have a saline character and whose inadequate handling of crop irrigation increased my fragility and made me sick. I hope the soil application of calcium sulfate will help me to be productive again.





Hi! I'm Luwissoli, Luvi's sister, a character who represents Luwissolos with a sodic character. Inadequate management of crop irrigation made me ill. The treatment that will be used to make me better will be daily baths to remove salts, I hope that this treatment will make me productive again, and thus provide food for the population.





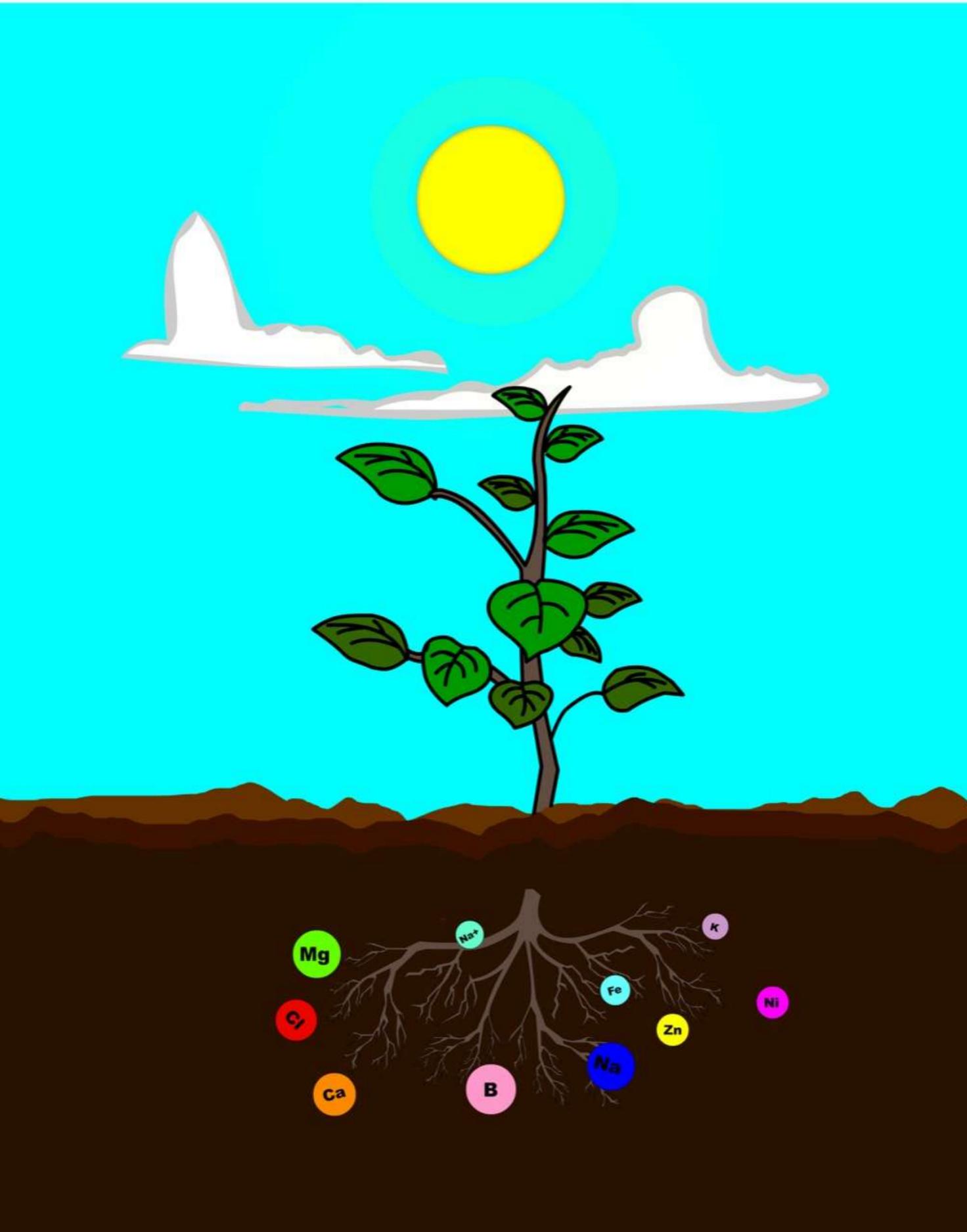
Salícia and Cabra Natro understood the reason for Luvi's sadness and believe that with this care, Luvi's sisters will soon recover. Because they are profiles that were born with the presence of salts and live with the limitations imposed by these characteristics, they understand the need for care that man should have so that the increase in salinity and, consequently, degradation does not occur.

We understand why you are sad, Luvi.

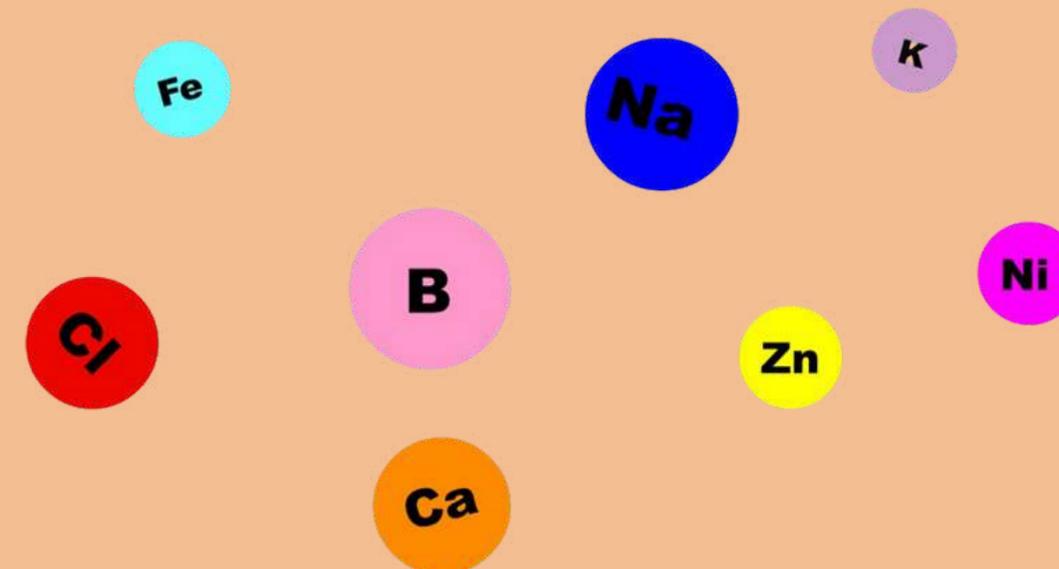
Thank you for the concern, my friends!

Soon your sisters will be healed.





Still concerned about the health of cousins Luvisali and Luvisoli, the fun profiles reflect on salinization issues and the need to bring information about proper soil management to the population and especially children, as they know that the future of our soils, and consequently humanity depends on the new generations. How many areas are in the process of salinization, contributing to land degradation? How can man contribute to delaying this process? Let's reflect and build strategies that can reverse this scenario.



It is important to discuss about soil salinization.



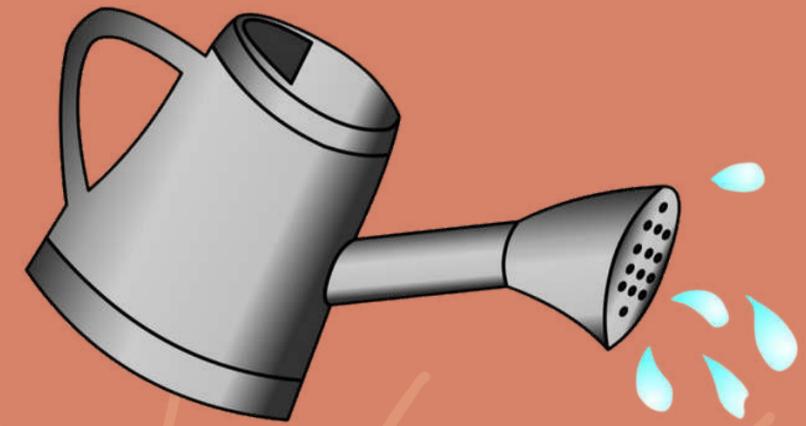
Yes, and especially with our children



**THE END**

And build strategies to reverse this scenario.





To avoid soil salinization and give them proper treatment it is necessary to identify their main characteristics and limitations.

Let us know more about the saline soils with the fun soil profile characters and together fight salinization