



SOIL SALINIZATION

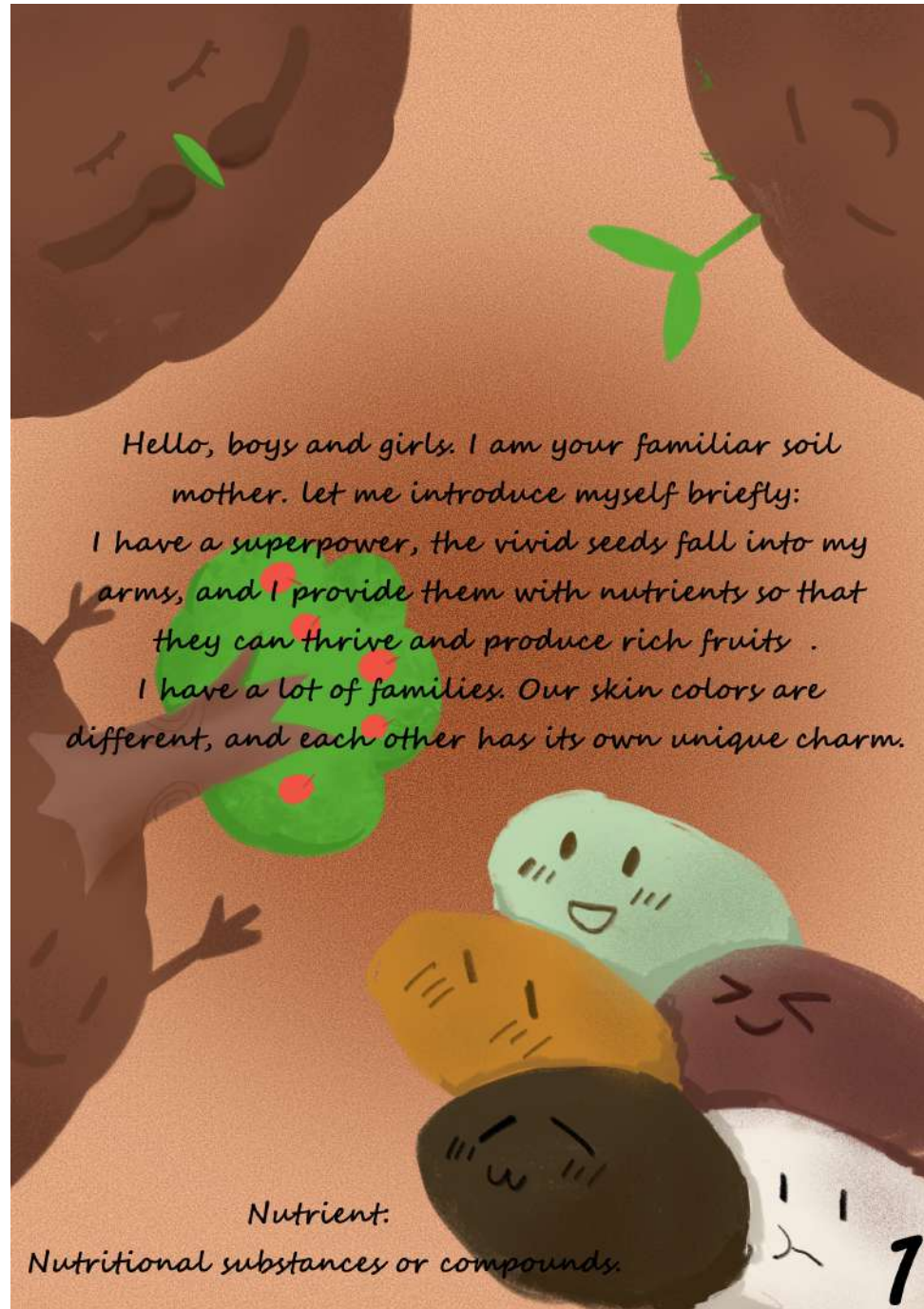
*Halt soil salinization,
Boost soil productivity!*

*Salinity intersects with major global concerns,
including food security, desertification, and
biodiversity protection.*



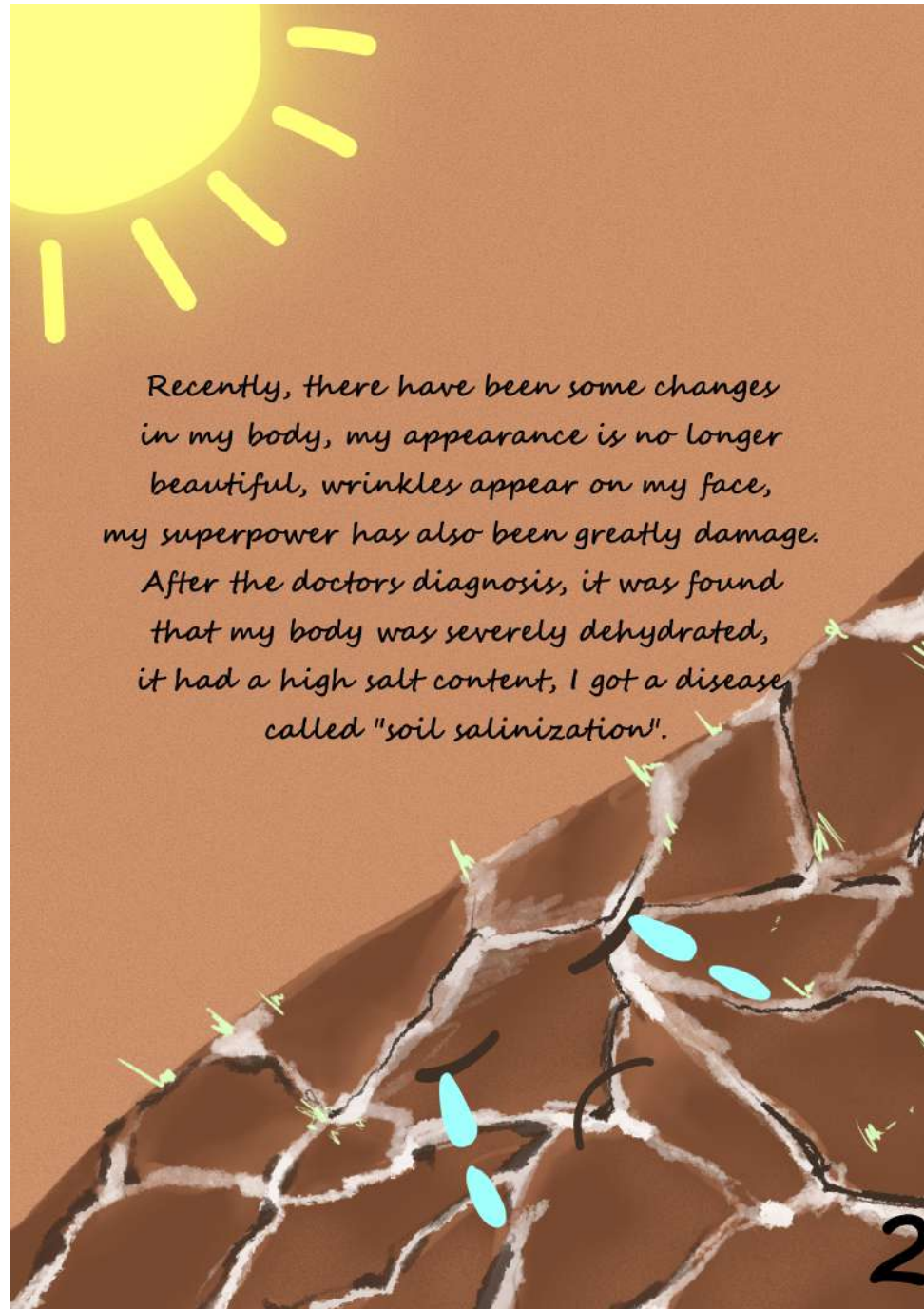
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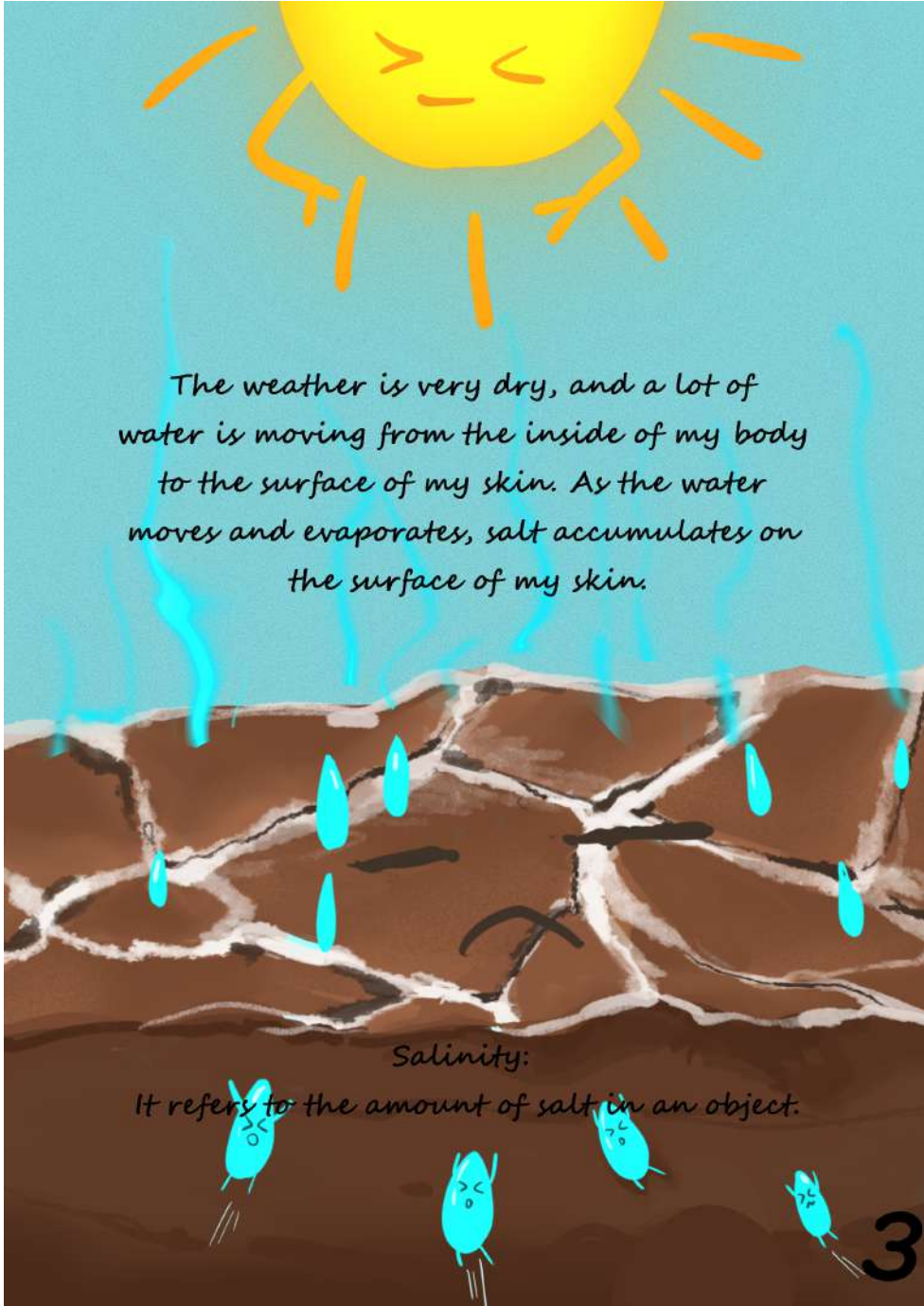


Hello, boys and girls. I am your familiar soil mother. Let me introduce myself briefly: I have a superpower, the vivid seeds fall into my arms, and I provide them with nutrients so that they can thrive and produce rich fruits. I have a lot of families. Our skin colors are different, and each other has its own unique charm.

Nutrient:
Nutritional substances or compounds.



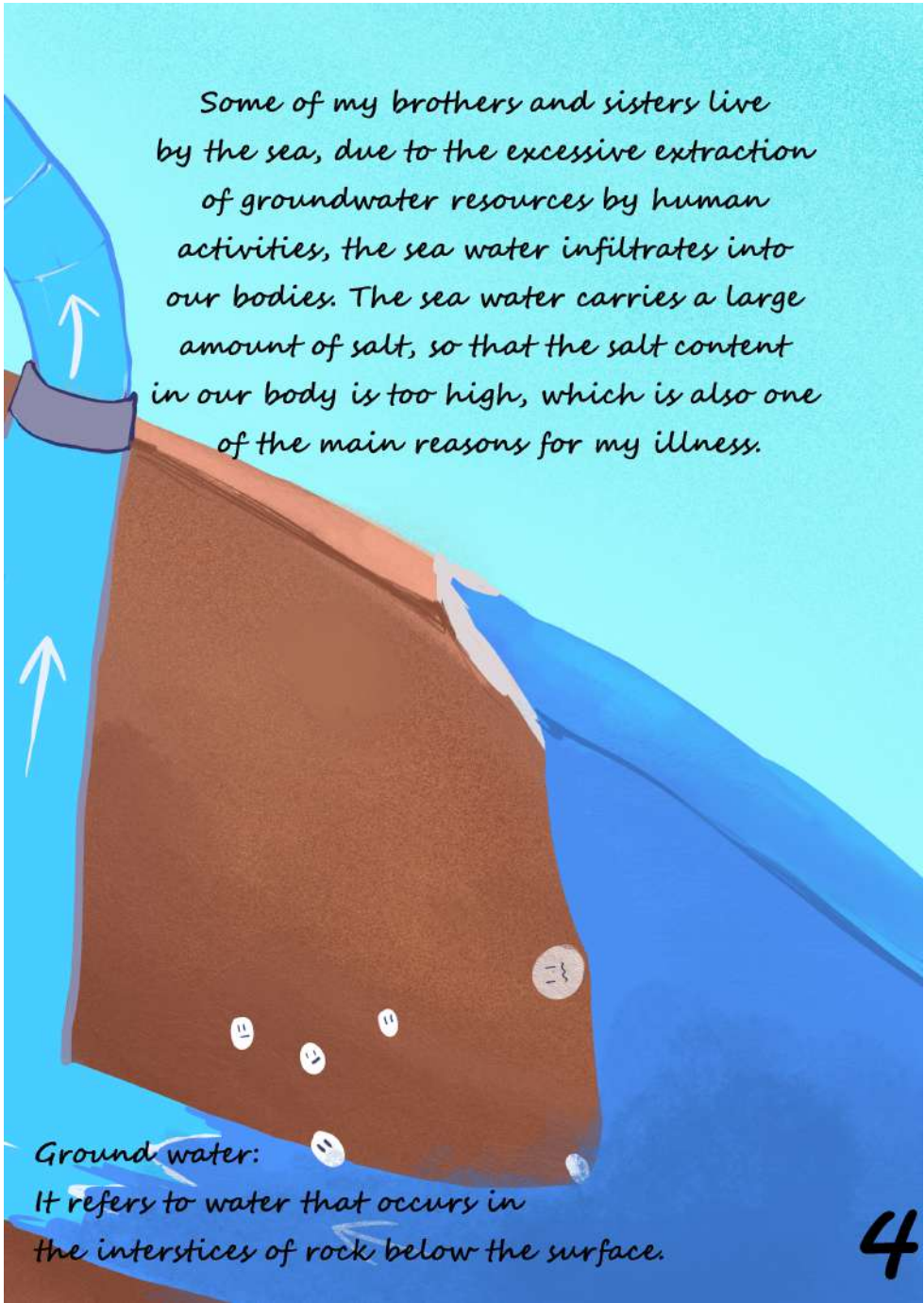
Recently, there have been some changes in my body, my appearance is no longer beautiful, wrinkles appear on my face, my superpower has also been greatly damaged. After the doctor's diagnosis, it was found that my body was severely dehydrated, it had a high salt content, I got a disease called "soil salinization".



The weather is very dry, and a lot of water is moving from the inside of my body to the surface of my skin. As the water moves and evaporates, salt accumulates on the surface of my skin.

Salinity:

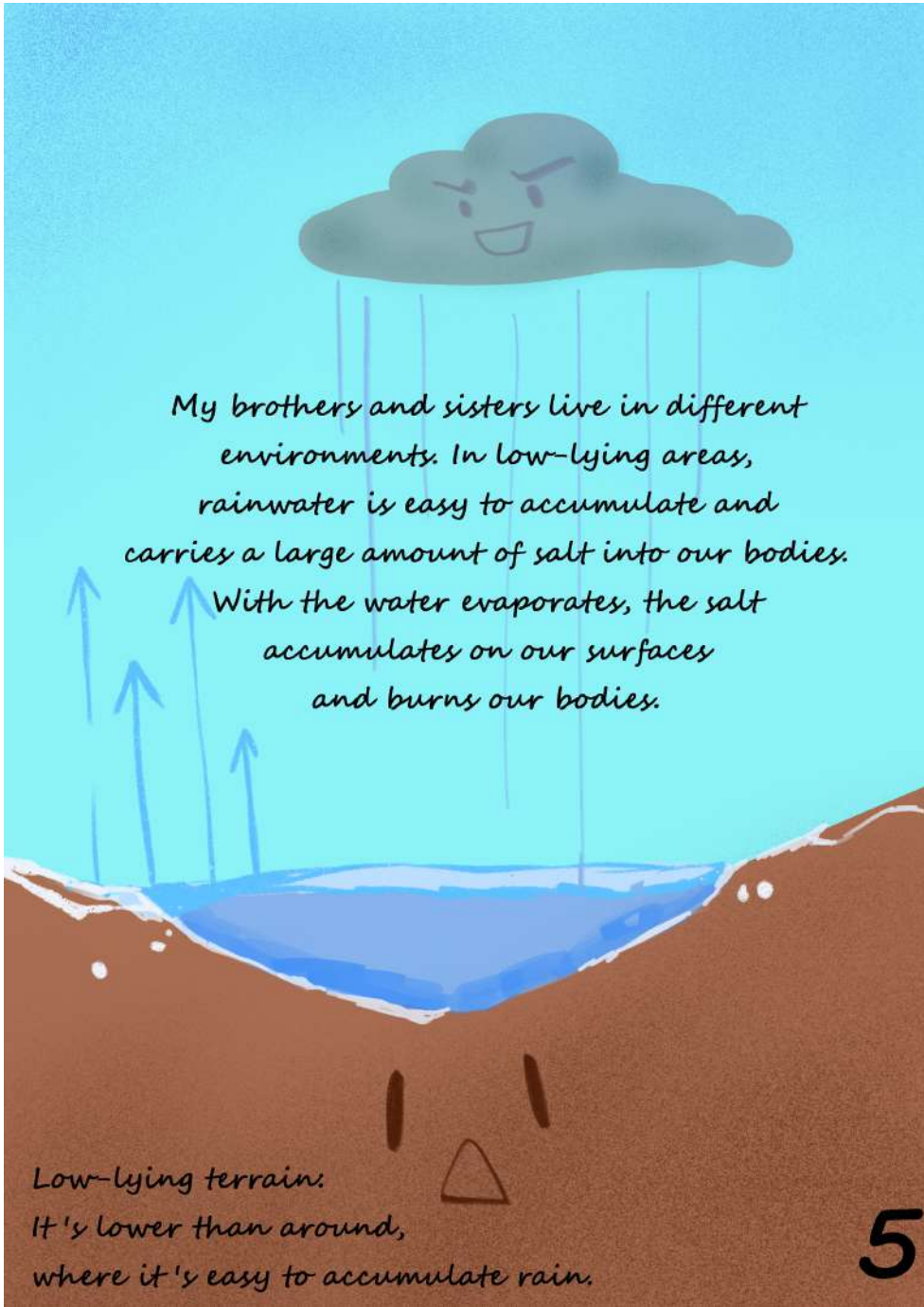
It refers to the amount of salt in an object.



Some of my brothers and sisters live by the sea, due to the excessive extraction of groundwater resources by human activities, the sea water infiltrates into our bodies. The sea water carries a large amount of salt, so that the salt content in our body is too high, which is also one of the main reasons for my illness.

Ground water:

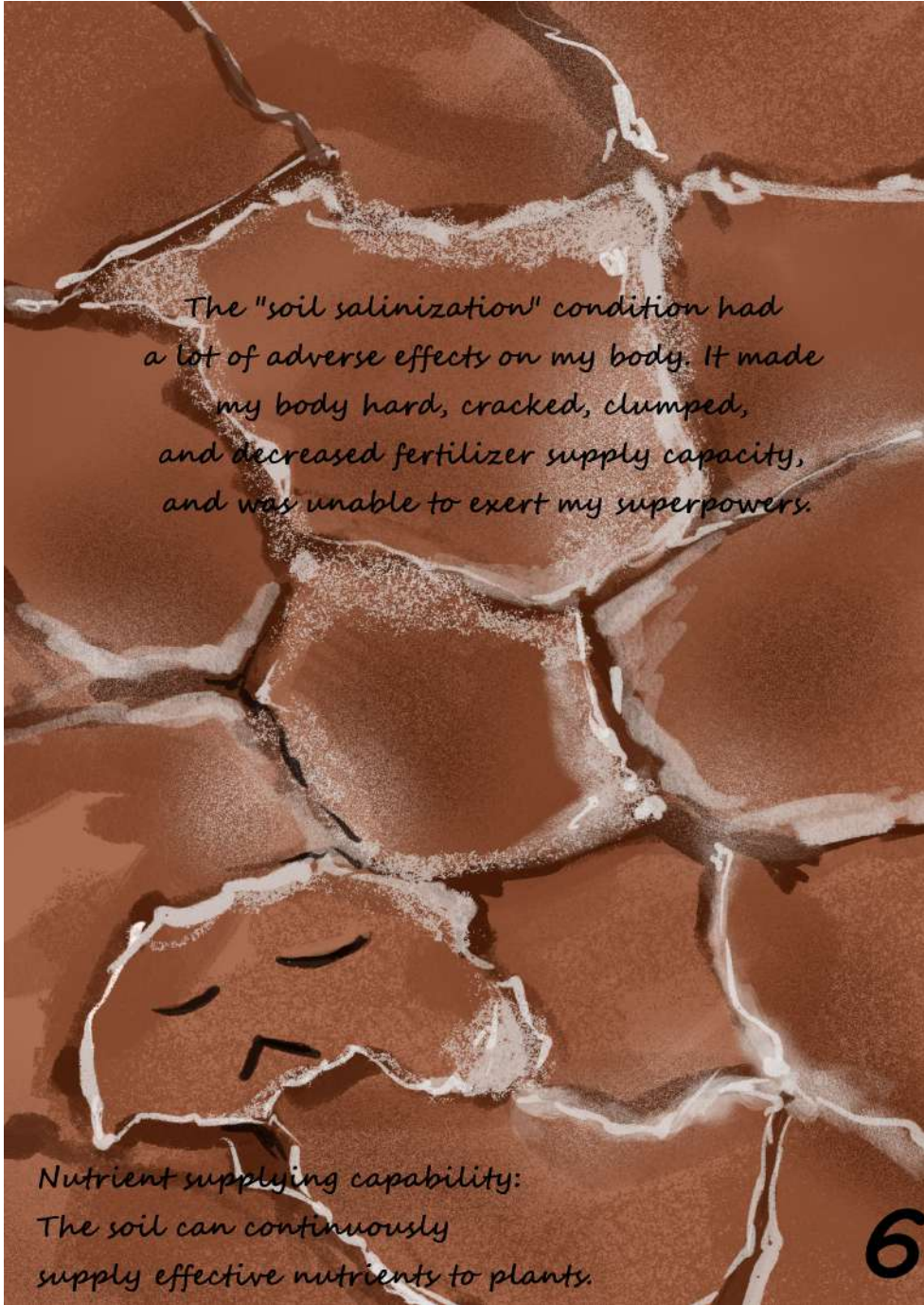
It refers to water that occurs in the interstices of rock below the surface.



My brothers and sisters live in different environments. In low-lying areas, rainwater is easy to accumulate and carries a large amount of salt into our bodies.

With the water evaporates, the salt accumulates on our surfaces and burns our bodies.

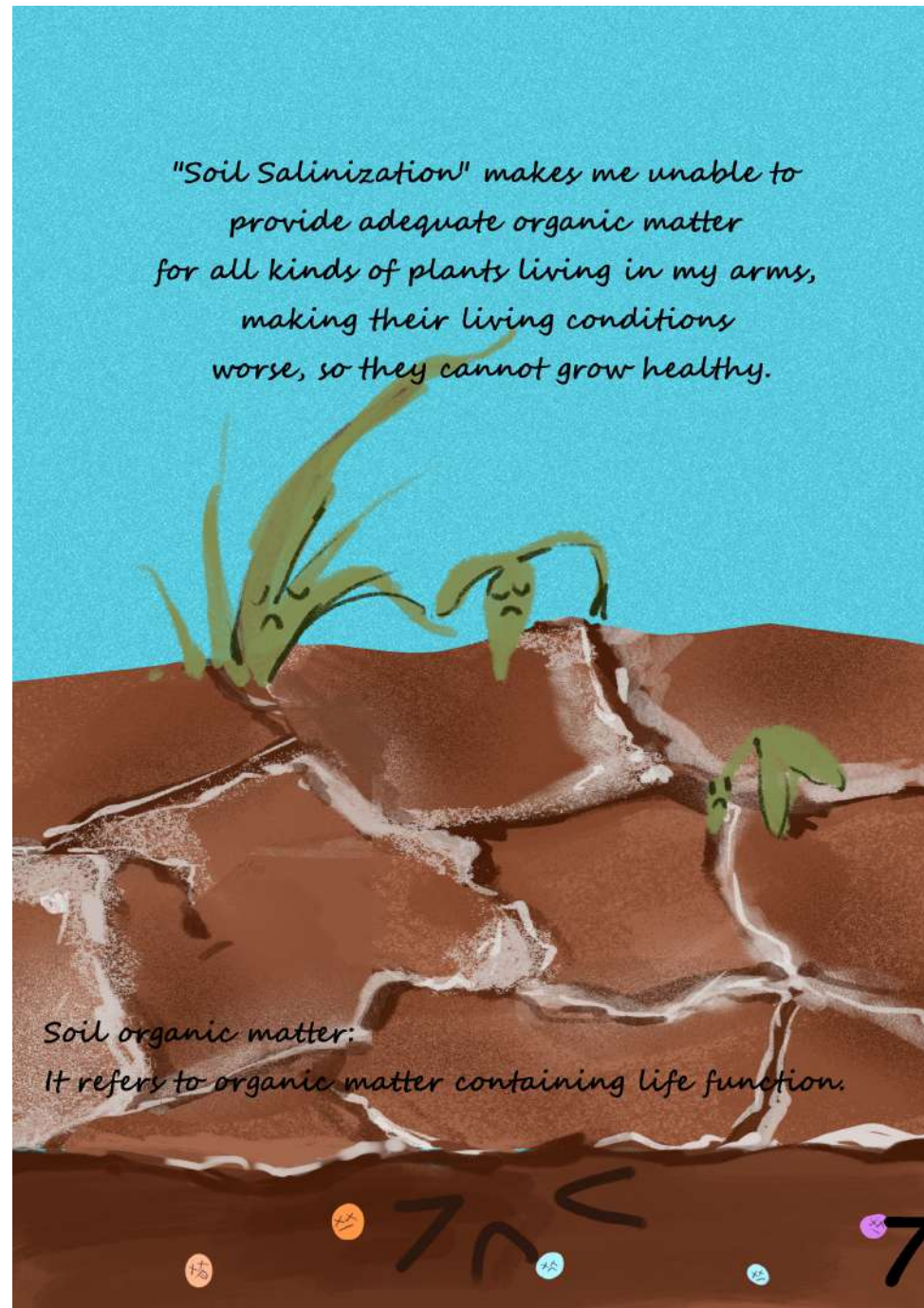
Low-lying terrain:
It's lower than around,
where it's easy to accumulate rain.



The "soil salinization" condition had a lot of adverse effects on my body. It made my body hard, cracked, clumped, and decreased fertilizer supply capacity, and was unable to exert my superpowers.

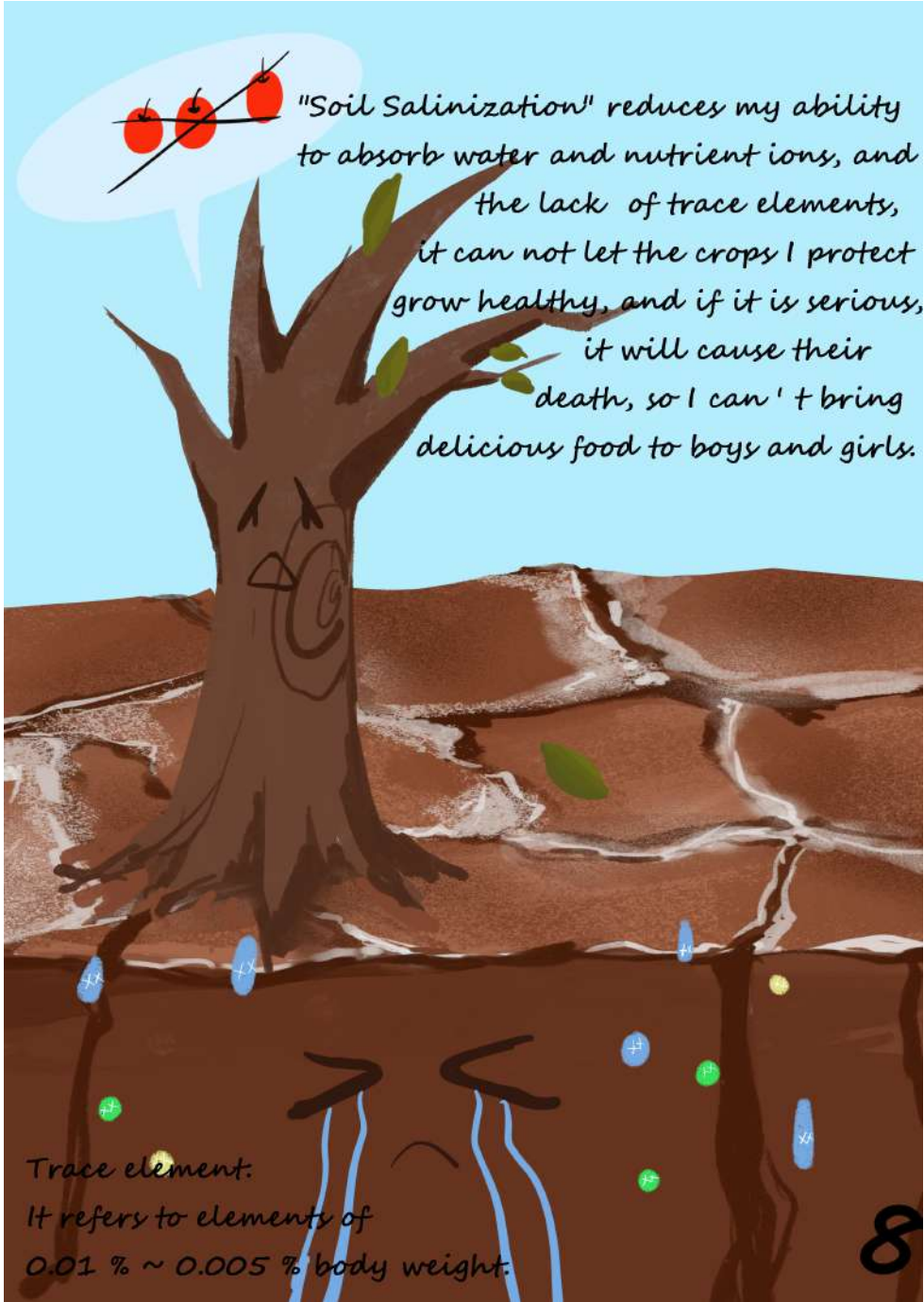
Nutrient supplying capability:
The soil can continuously supply effective nutrients to plants.

"Soil Salinization" makes me unable to provide adequate organic matter for all kinds of plants living in my arms, making their living conditions worse, so they cannot grow healthy.



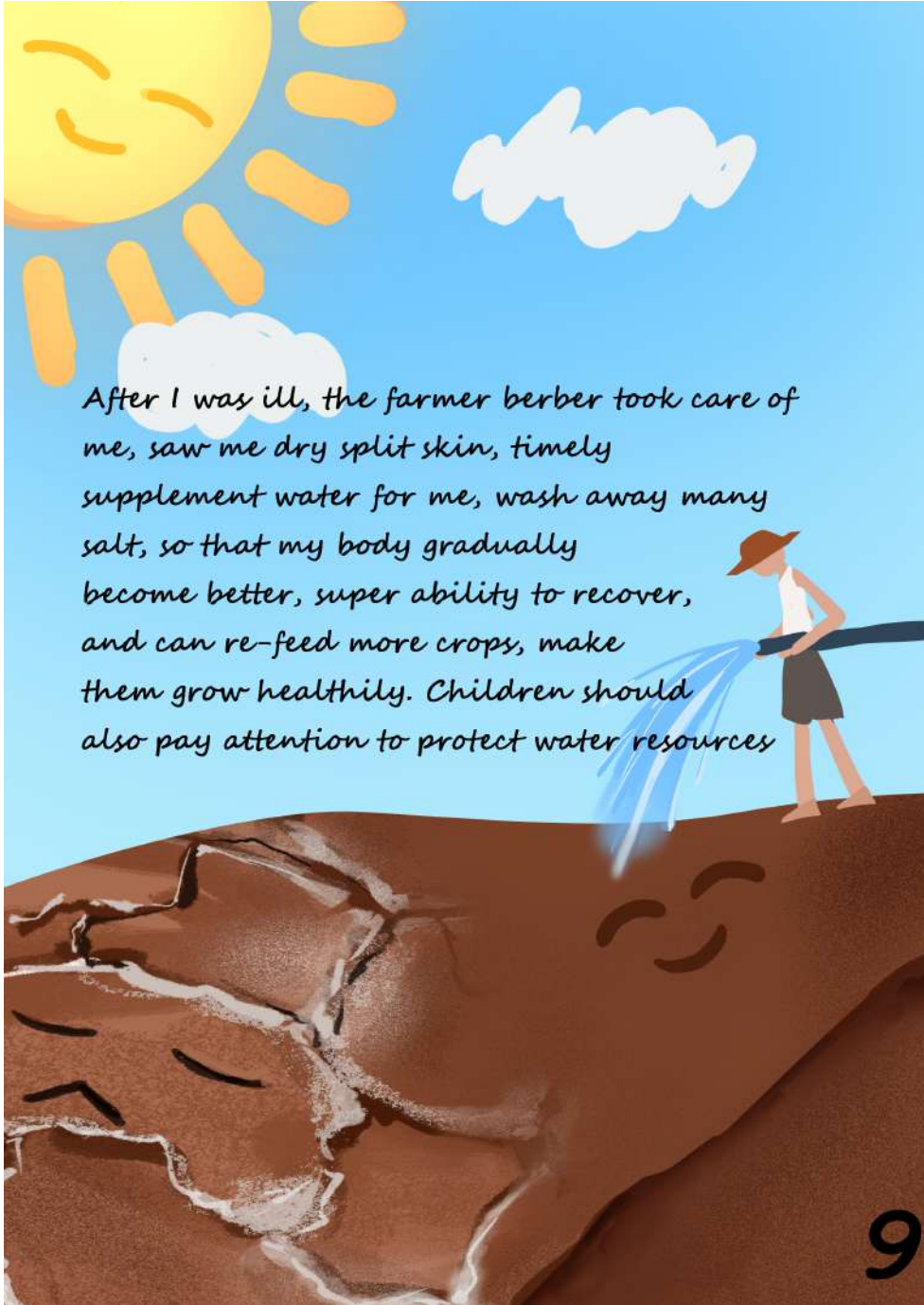
*Soil organic matter:
It refers to organic matter containing life function.*





"Soil Salinization" reduces my ability to absorb water and nutrient ions, and the lack of trace elements, it can not let the crops I protect grow healthy, and if it is serious, it will cause their death, so I can't bring delicious food to boys and girls.

Trace element:
It refers to elements of
0.01 % ~ 0.005 % body weight.

An illustration of a farmer wearing a brown hat and a white tank top, holding a black hose and spraying water onto a brown, cracked field. The sun is smiling in the top left, and there are white clouds in the blue sky. The ground is brown with white cracks and some small black marks.


After I was ill, the farmer berber took care of me, saw me dry split skin, timely supplement water for me, wash away many salt, so that my body gradually become better, super ability to recover, and can re-feed more crops, make them grow healthily. Children should also pay attention to protect water resources

*In order to let me more complete recovery,
the farmer uncle gave me the
configuration of salt and alkali improved medicine.*





*In addition, fertilizers make me stronger and
enhancing my superpower. The children should
pay attention to take care of me!*





My story has come to be end here.
Do you know me better? I am very happy
to share my story with you.

In my story, I introduced the causes of soil
salinization, and its impact on soil and food
production. Illustrate the impacts of
salinization and sodification
on soils describing its consequences on
the livelihood and welfare of
the affected populations and ecosystems.
Raise awareness for the urgency of fighting
salinization and sodification processes.



I hope everyone will love me a lot and pay
attention to the problem of soil salinization
in the future life. Let's pull together,
"Halt soil salinization, Boost soil
productivity!"



*Halt soil salinization,
Boost soil productivity!*

*Although the story ends, we hope
that children's knowledge of soil
salinization will never stop.*