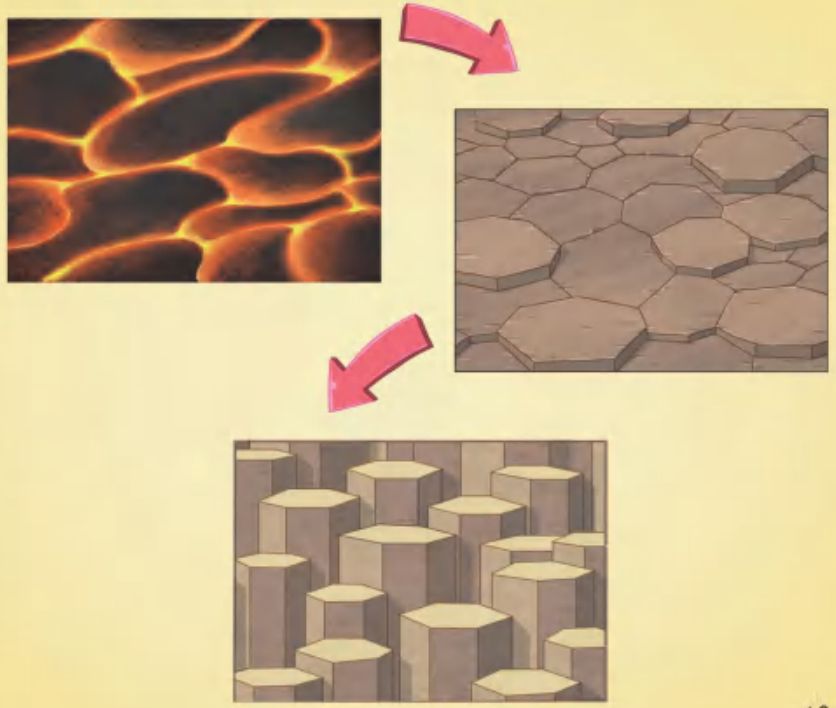

How tall these pillars are!
44
Diudiu went to the top of the mountain, and saw Grandpa Pillar who was keeping on mumbling and counting.
Hello, Grandpa Pillar! What are you counting?
43

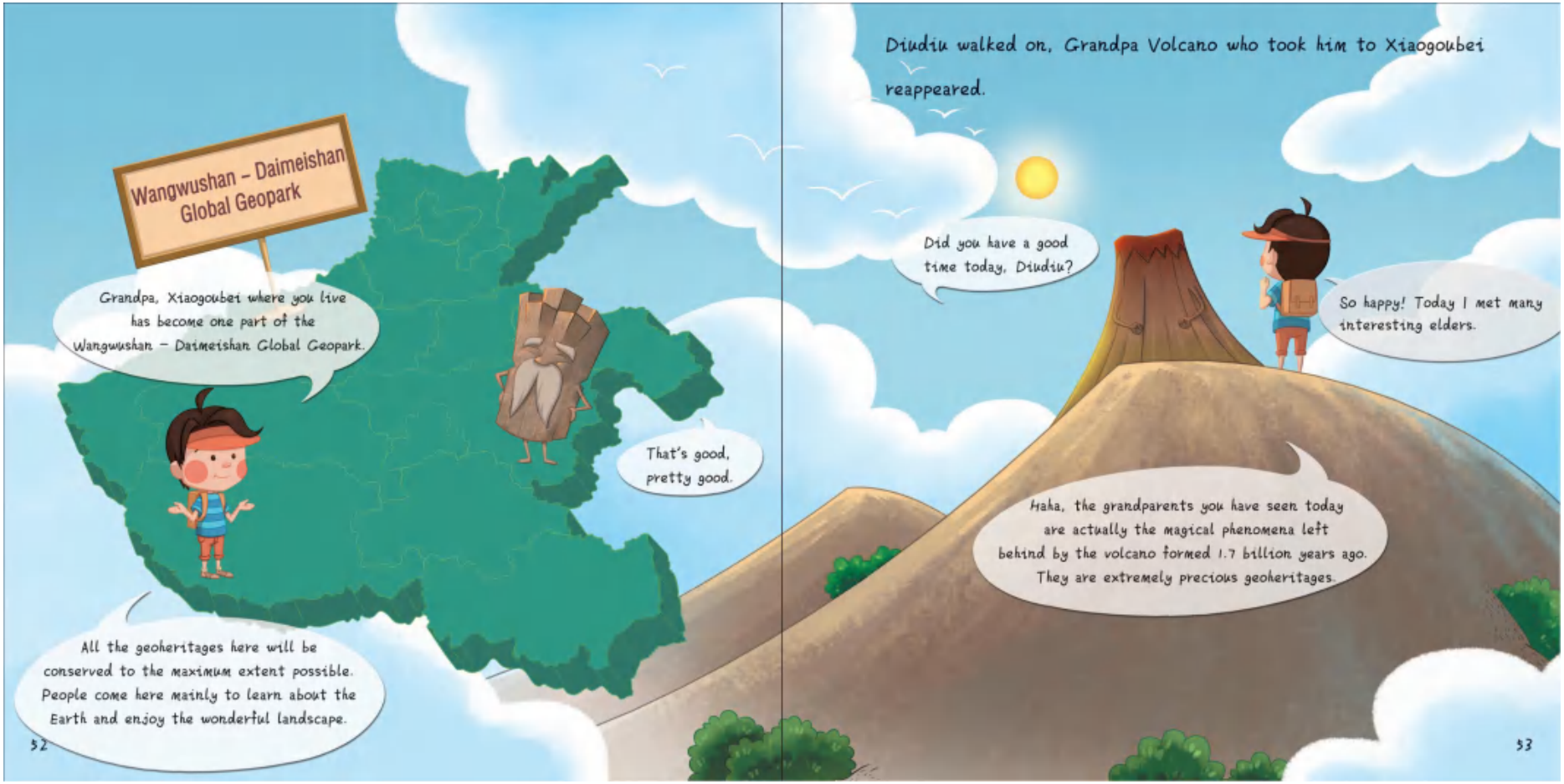

It's pretty annoying! I was interrupted every time when I count, and I forgot how many again.
Why are all the stone pillars in this place like pencils with six edges?
No one has asked that question for a long time.

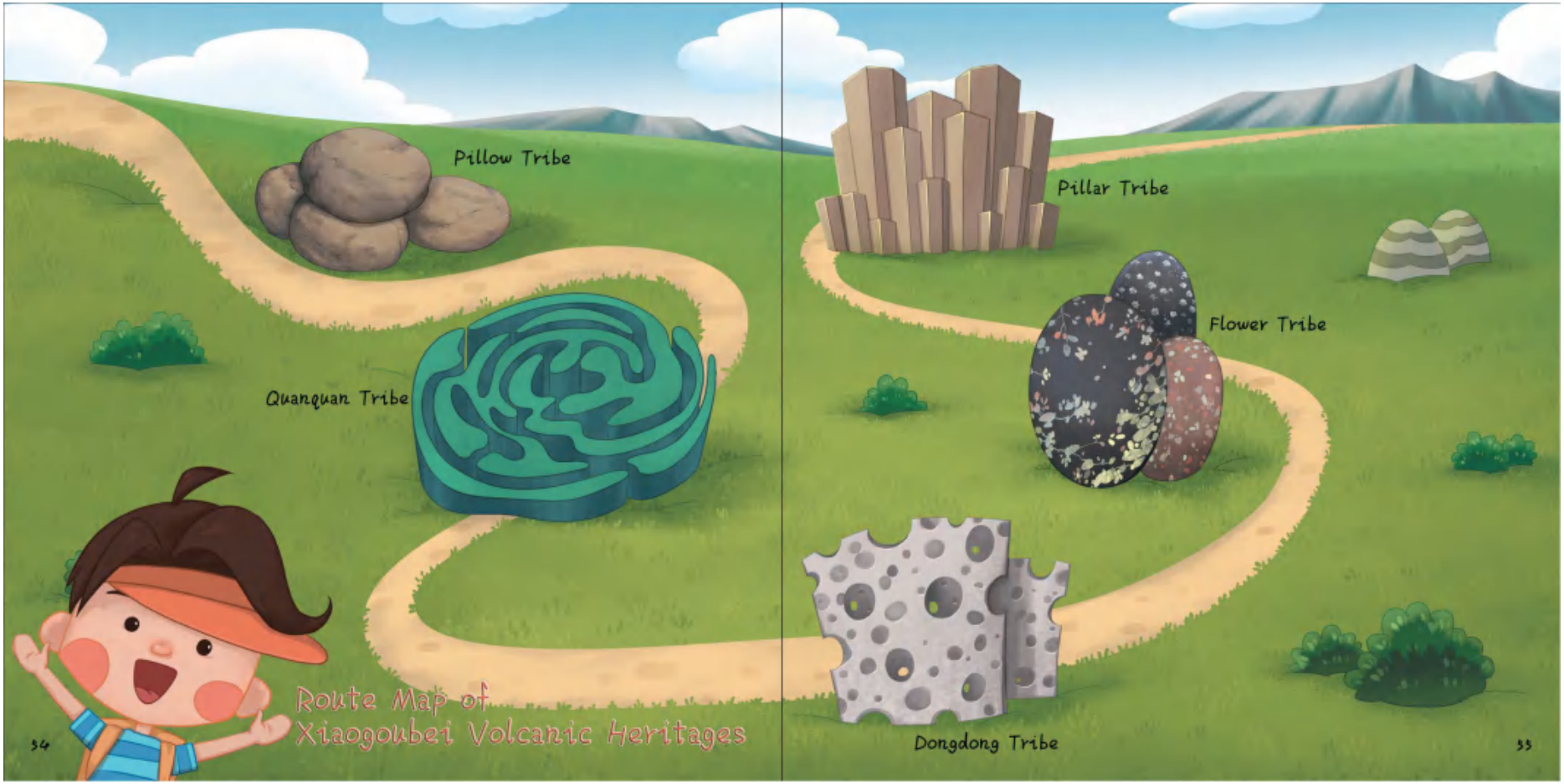
When I erupted out of the crater, there was still a mass of thick, sticky lava that covered the ground around me and took up a lot of space.

But soon, as the body got cold and shrank, cracks occurred on the surface like a turtle's back, and these cracks even cut through the entire lava layer to form pencil-like pillars.



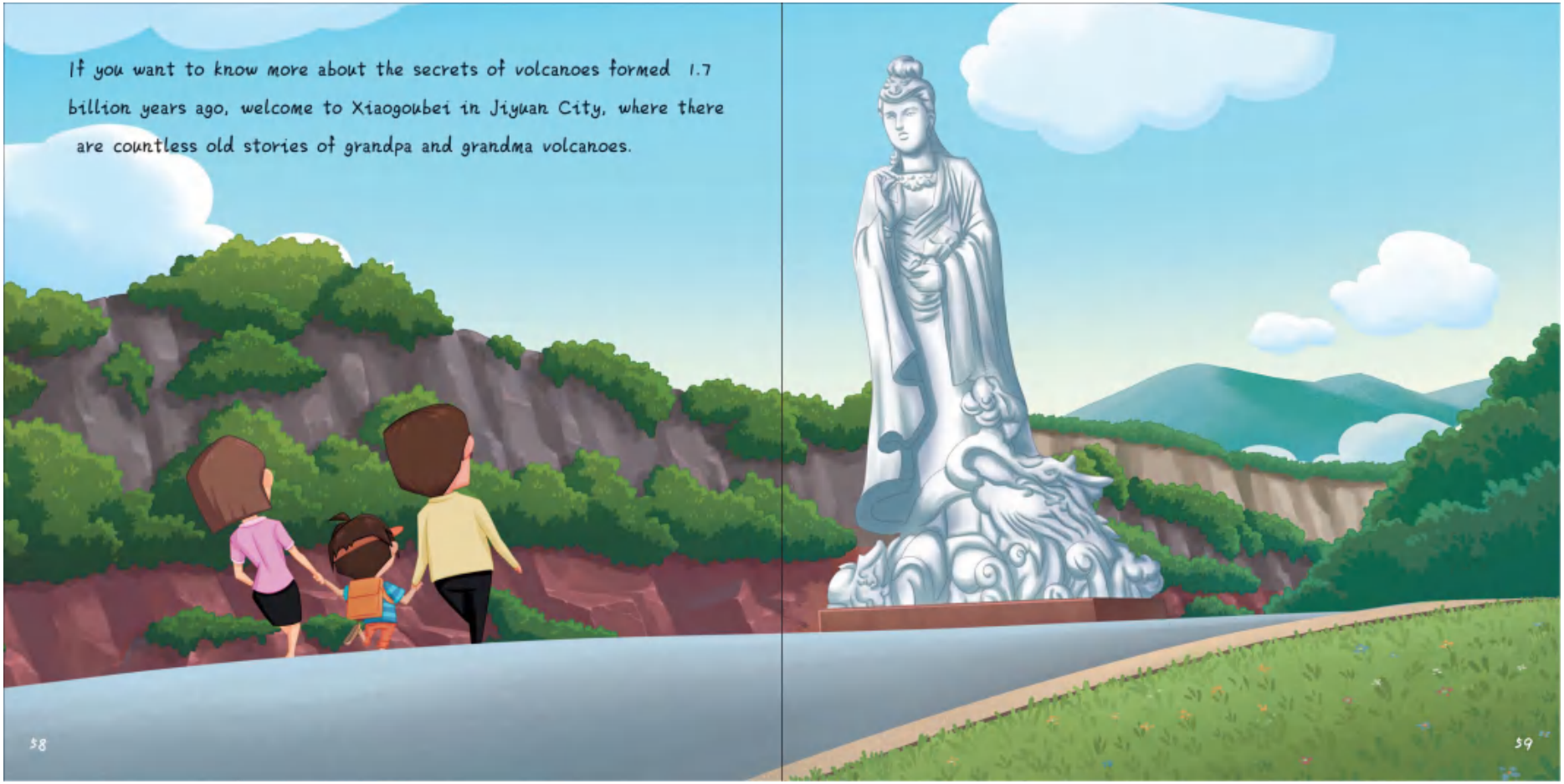

Ah, I got it, the scientific name of these pillars is basalt columnar. I've seen it in Northern Ireland and Hong Kong Global Geopark, China. To tell the truth, you are much cooler than Grandpa Pillow and Grandpa Dongdong!
Then why do you count?
Each pillar here is a precious geoheritage, and my task now is to protect them.So I have to check the number of pillars every day.


Wangwushan – Daimeishan Global Geopark
Grandpa, Xiaogoubei where you live has become one part of the Wangwushan – Daimeishan Global Geopark.
That's good, pretty good.
All the geoheritages here will be conserved to the maximum extent possible. People come here mainly to learn about the Earth and enjoy the wonderful landscape.
Diudiu walked on, Grandpa Volcano who took him to Xiaogoubei reappeared.
Did you have a good time today, Diudiu?
So happy! Today I met many interesting elders.
Haha, the grandparents you have seen today are actually the magical phenomena left behind by the volcano formed 1.7 billion years ago. They are extremely precious geoheritages.


Pillow Tribe
Quanquan Tribe
Route Map of
Xiaogoubei Volcanic Heritages
54
Pillar Tribe
Flower Tribe
Dongdong Tribe
55


Diudiu! Diudiu! Wake up!
We have arrived at Xiaogoubei!
Time to get off!
Diudiu opened his eyes and realized that he just had a dream.
He jumped out of the car and couldn't wait to confirm what the grandparents in the dream looked like.

If you want to know more about the secrets of volcanoes formed 1.7 billion years ago, welcome to Xiaogoubei in Jiyuan City, where there are countless old stories of grandpa and grandma volcanoes.



Characters Introduction

Nickname : Grandpa Pillow

Scientific Name : Pillow Lava

Birthplace : Submarine Volcano

Family Attribution : Magmatic Rock - Volcanic Rock

Biography

Magma erupted underwater or fell into the water after the land eruption, and formed a train of magma balls because of the sharp change in temperature.The surfaces of these magma balls first form hard crusts when they contact with cold water, but the pressure from the water and the magma balls themselves forced them to form ellipsoids when they fall to the water bottom, arranged together like pillows. This type of volcanic rock with a pillow-like structure is called "Pillow Lava".

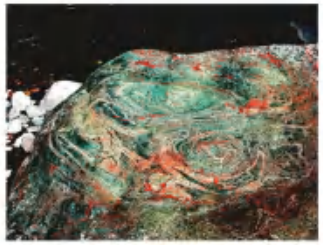
Nickname : Grandma Quanquan

Scientific Name : Quenched Lavas

Birthplace : Submarine Volcano

Family Attribution : Magmatic Rock - Volcanic Rock

Biography



The hot magma from the volcano rushed into the water and became a series of magma balls. When the surfaces of the magma balls met with water, they cooled down quickly and formed hard crusts. After sinking into the water bottom, the crusts of the magma balls broke up due to the cooling and contraction and internal pressure, causing the magma inside the balls to overflow and cool down again. Time and time again, after the repeated crack and overflow, they formed circular structures, and rocks with such structures are called "Quenched Lavas."

Nickname : Grandpa Dongdong

Scientific Name : Stomatic Andesite

Birthplace : Land Volcano

Family Attribution : Magmatic Rock - Volcanic Rock

Biography

Stomatic Andesite is an extrusive rock that carries a lot of gas as magma erupts. If the gas does not escape immediately, it will be wrapped in the rock during diagenesis. Under the influence of crustal movement, a large number of joints and fissures will develop in the rock, and the gas wrapped in the rock will escape along the joints and fissures, leaving stomas. When the stomas are well developed, the rock becomes so light that it floats on the water, forming pumice.

Nickname : Grandpa Pillar

Scientific Name : Basalt Columnar Joint

Birthplace : Land Volcano

Family Attribution : Magmatic Rock - Volcanic Rock

Biography

When magma flows out of the surface, during the process of cooling, it splits into regular hexagonal and pentagonal cracks as a result of uniform cooling contraction, which constituted the columnar joints.

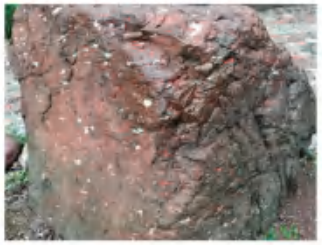
Nickname : Grandma Amygdale

Scientific Name : Amygdaloidal Andesite

Birthplace : Land Volcano

Family Attribution : Magmatic Rock-Volcanic Rock

Biography



As to volcanic rocks with a large number of stomas, in the process of crustal movement, these stomas will have a mass of rich mineral solutions. The minerals in the solution precipitated in the stomas, leaving white patches in the dark rocks, shaped like almonds, hence it named amygdaloidal andesite.

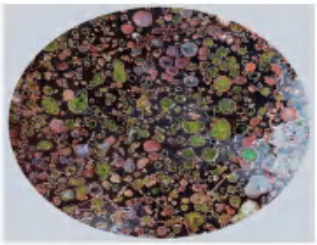
Nickname : Grandma Plum Blossom

Scientific Name : Amygdaloidal Andesite

Birthplace : Land Volcano

Family Attribution : Magmatic Rock-Volcanic Rock

Biography



As to volcanic rocks with a large number of stomas, in the process of crustal movement, these stomas will have a mass of rich mineral solutions. The minerals in the solution precipitated in the stomas, leaving patches with different colors in the dark rocks, shaped like "plum blossom". The zigzag fine fissures among the stomas are often filled with minerals, forming the branches of the plum trees.