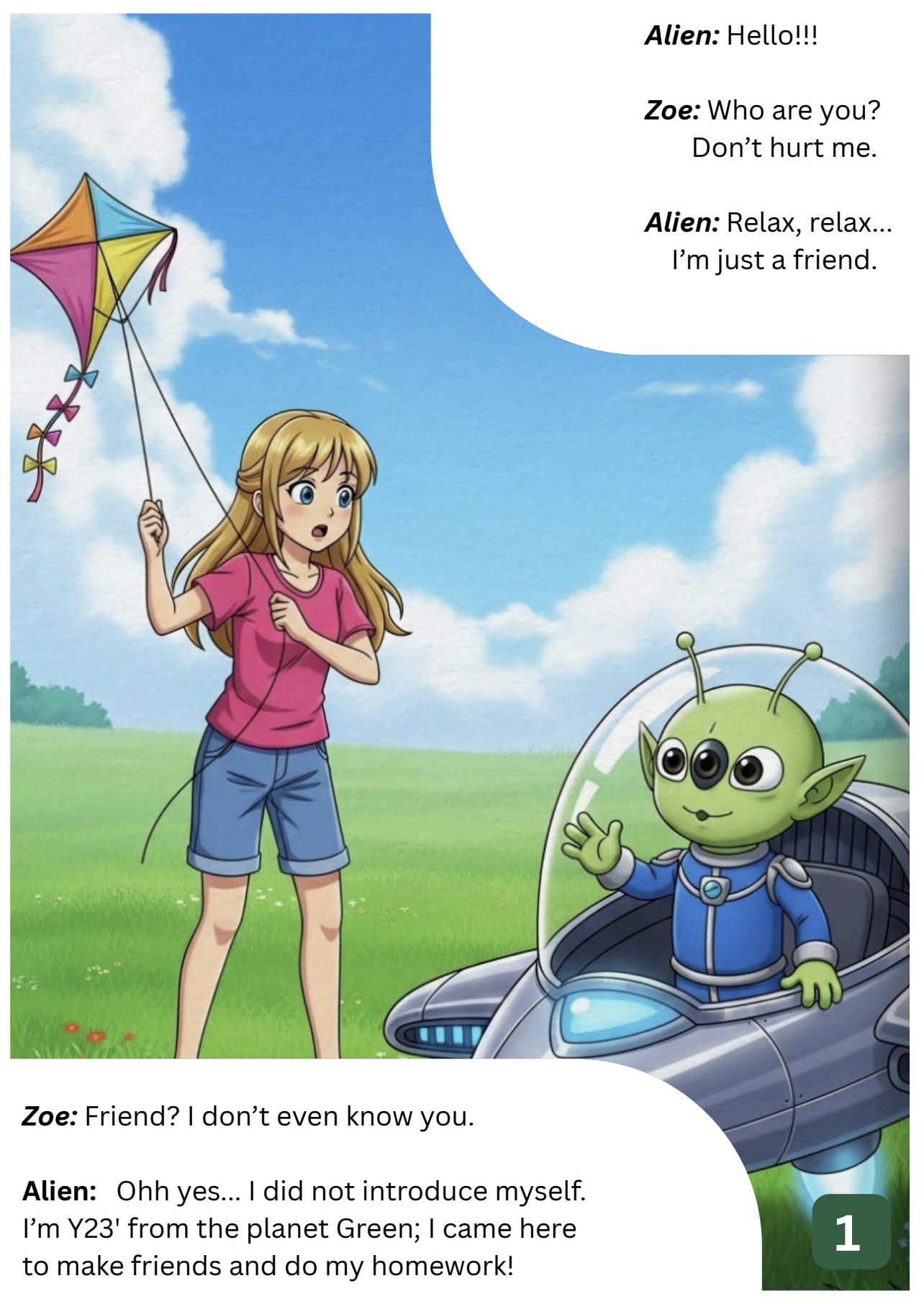


3. THE EARTH AND ITS LIVING WORLD

COMICAL WAY OF EXPLORING WORLD

A colorful illustration of a young girl with long blonde hair, wearing a pink t-shirt and blue shorts, flying a multi-colored kite in a green field under a blue sky with white clouds. To her right, an alien with a green, wrinkled face, large black eyes, and two antennae is sitting in the cockpit of a small, grey, futuristic-looking vehicle. The alien is waving its right hand. A speech bubble originates from the top right corner.

Alien: Hello!!!

Zoe: Who are you?
Don't hurt me.

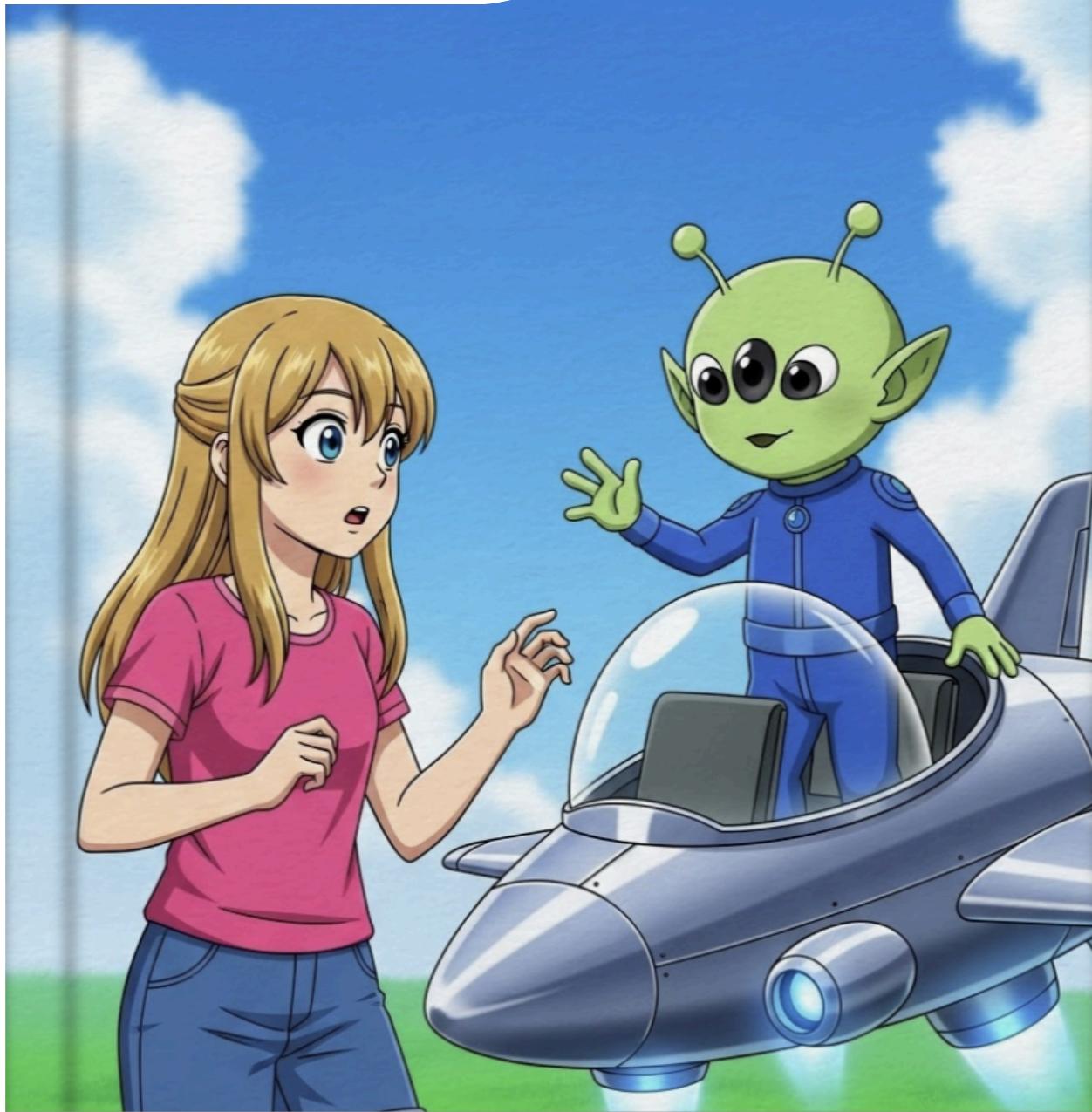
Alien: Relax, relax...
I'm just a friend.

Zoe: Friend? I don't even know you.

Alien: Ohh yes... I did not introduce myself.
I'm Y23' from the planet Green; I came here
to make friends and do my homework!

Zoe: Hii Y23'

I'm zoe, we can be friends, and
How do you have homework?



Alien: Yesss!

I'm a student, and my assignment for the week is to study about planet Earth.

Zoe: I'll help you to complete your assignment.

Alien: Earth is full of water, right? It's a blue planet, but we are standing on the land. how ?



Zoe:

It is because Earth is divided into 3 spheres:

- a. Lithosphere—that is the land
- b. hydrosphere—that is the surface
- c. atmosphere—that is the air.

3

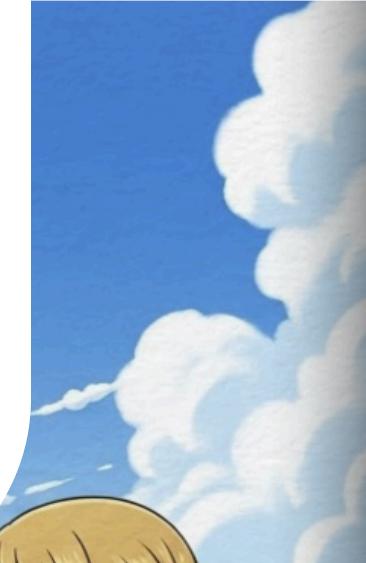
If you see the ratio, 2:3 is water and 1:3 is the land.

Zoe: You know we go from one place to another; it is called a **road**.

Similarly, when water flows from one place to another, it is called a **river**.

Bigger rivers are called **tributaries, lakes**.

A water body formed by collecting naturally in a low-lying area of land is called a **lake**.



Alien: So, water is everywhere, but you also have white water, right?

Zoe: HA HA HA...

It is water, but in the form of ice. **Ice occurs in very low-temperature areas like the poles. When these huge ice blocks float in the sea, they are known as icebergs.**





Zoe: The water stays in the underground inner layer and slowly comes out; this is known as groundwater.

We use wells, hand pumps, etc., to access this water.

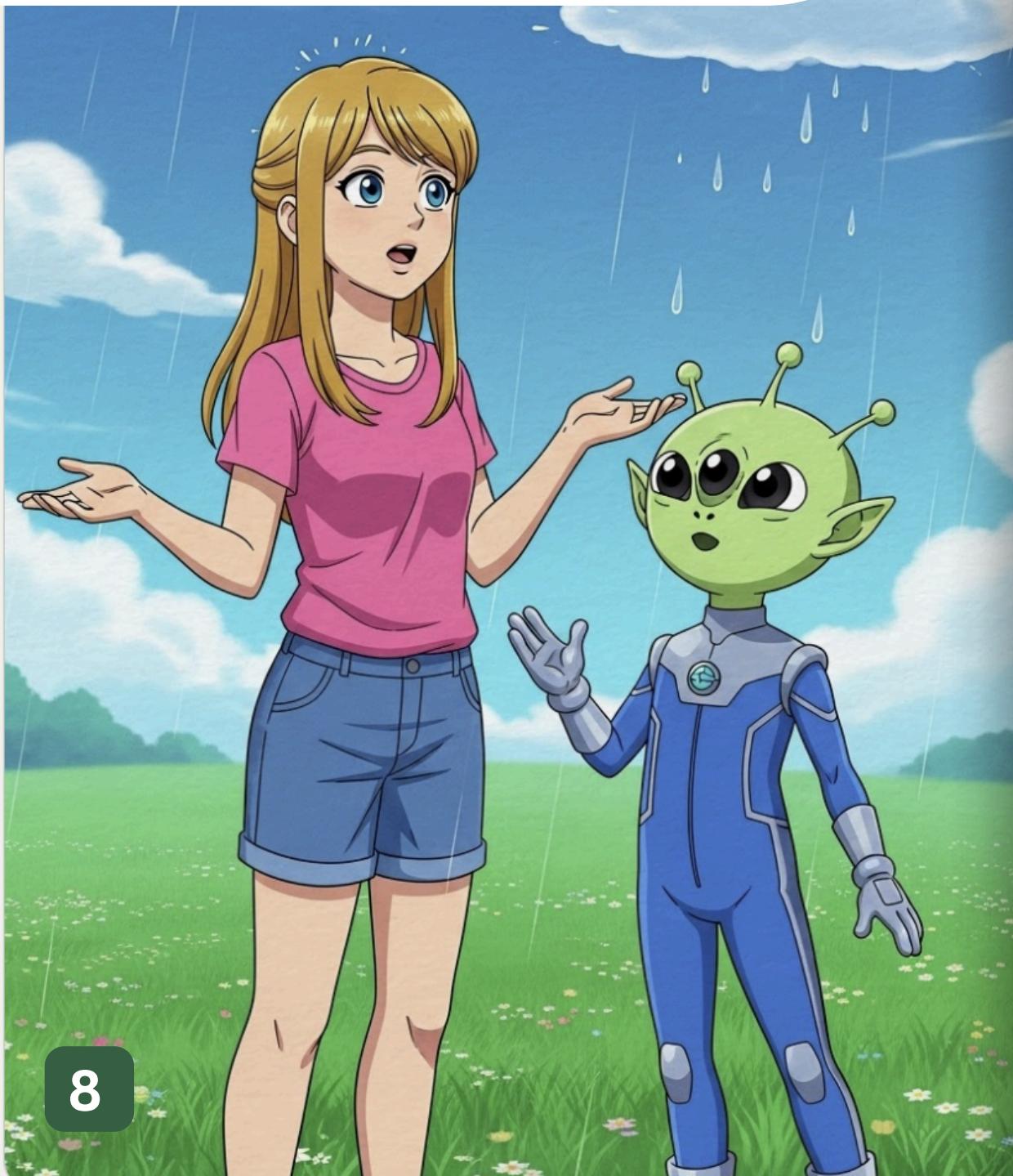


Zoe: Water on the surface of the earth evaporates continuously; it condenses down and forms clouds in the atmosphere.

When enough water is stored in the cloud, it starts to rain.

Zoe: Biosphere, as you see, there are different living organisms on the earth.

They live in various regions, which are different from each other.



Zoe: It is like ice-covered mountains and hot climates, plain surfaces and sea level; some are rainfall areas and others are dry deserts. This is called as **Biosphere**.



Alien: Ohh!

So all the living organisms live in different areas, and that's why we saw the polar bear in the snow? and some deer and zebra on the greenlands.

Zoe: Yes!

Just like Zebras are found in Africa and kangaroos in Australia.



Zoe: The land on Earth is divided into **7 continents**: Asia, Europe, Africa, North America, South America, Antarctica, and Australia.

Alien: So there are 7 equal parts?

Zoe: No!

Asia is the largest, and Antarctica is the smallest. Land is not even in all the places; hence, **they have different shapes, and they are called landforms**.



A cartoon illustration of a young girl with long blonde hair and blue eyes, wearing a pink t-shirt and blue shorts, standing next to a green alien with large black eyes and antennae. They are in a grassy field under a blue sky with white clouds. A large globe of the Earth is visible in the background.

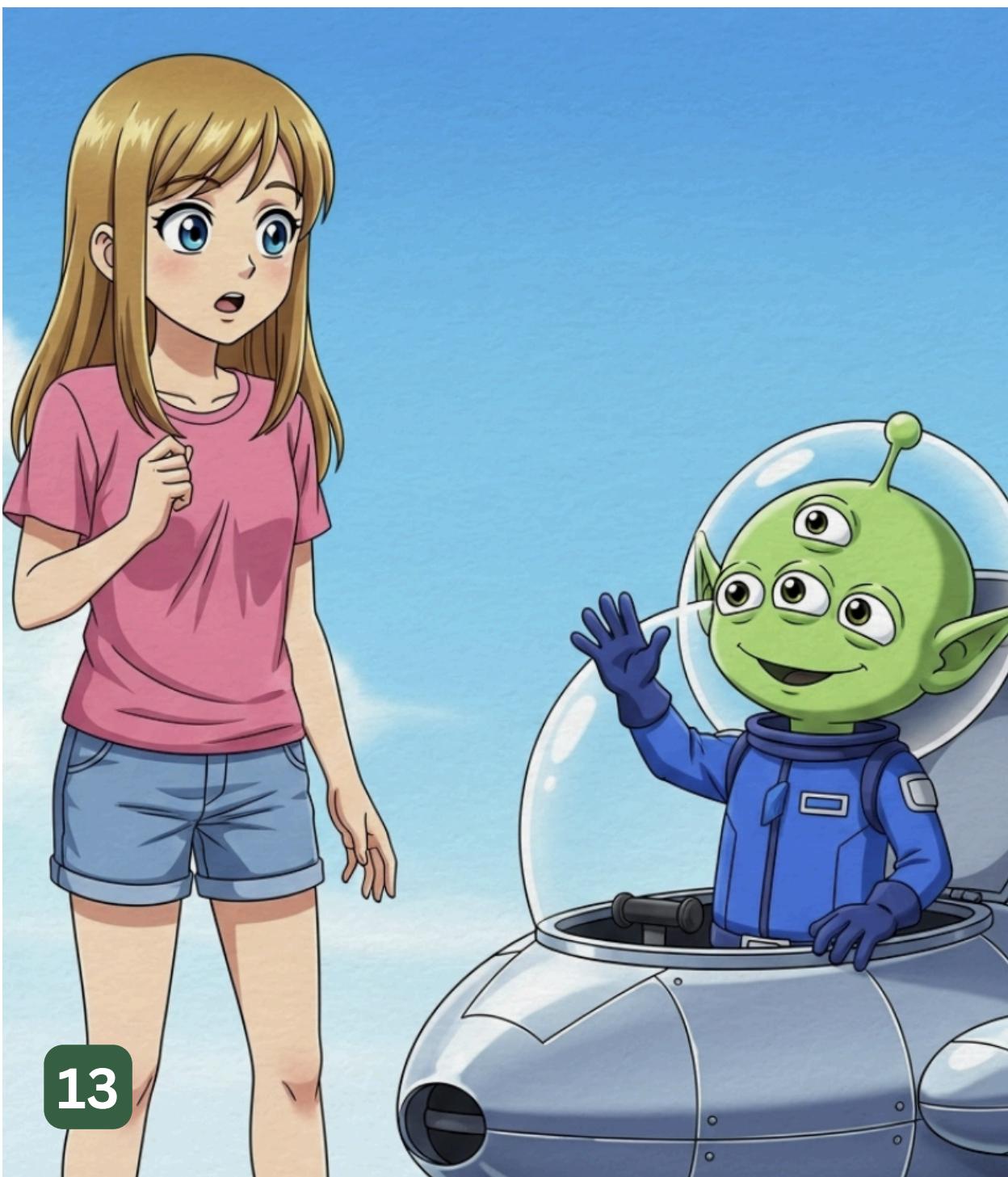
Alien: So only 1 water body is present.

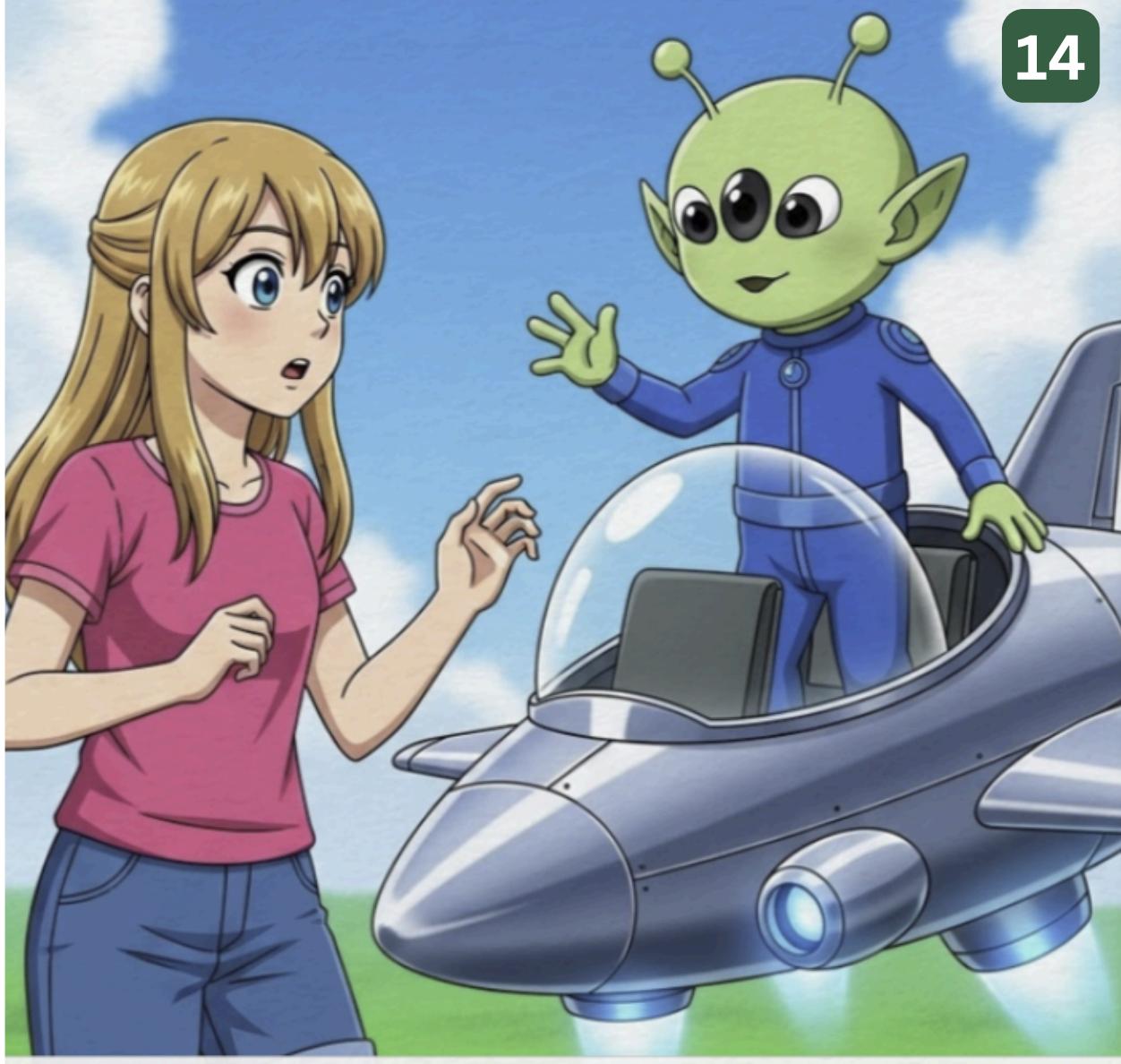
Zoe: There are 5 oceans: the Atlantic, Pacific, Arctic, Southern Ocean, and Indian Ocean.

The land that is there at the margin of the ocean is called coastal regions.

DID YOU KNOW?

Zoe: On earth, we breathe oxygen and give out carbon dioxide, and there are other gases around us, and **This envelope of air is called the atmosphere.**





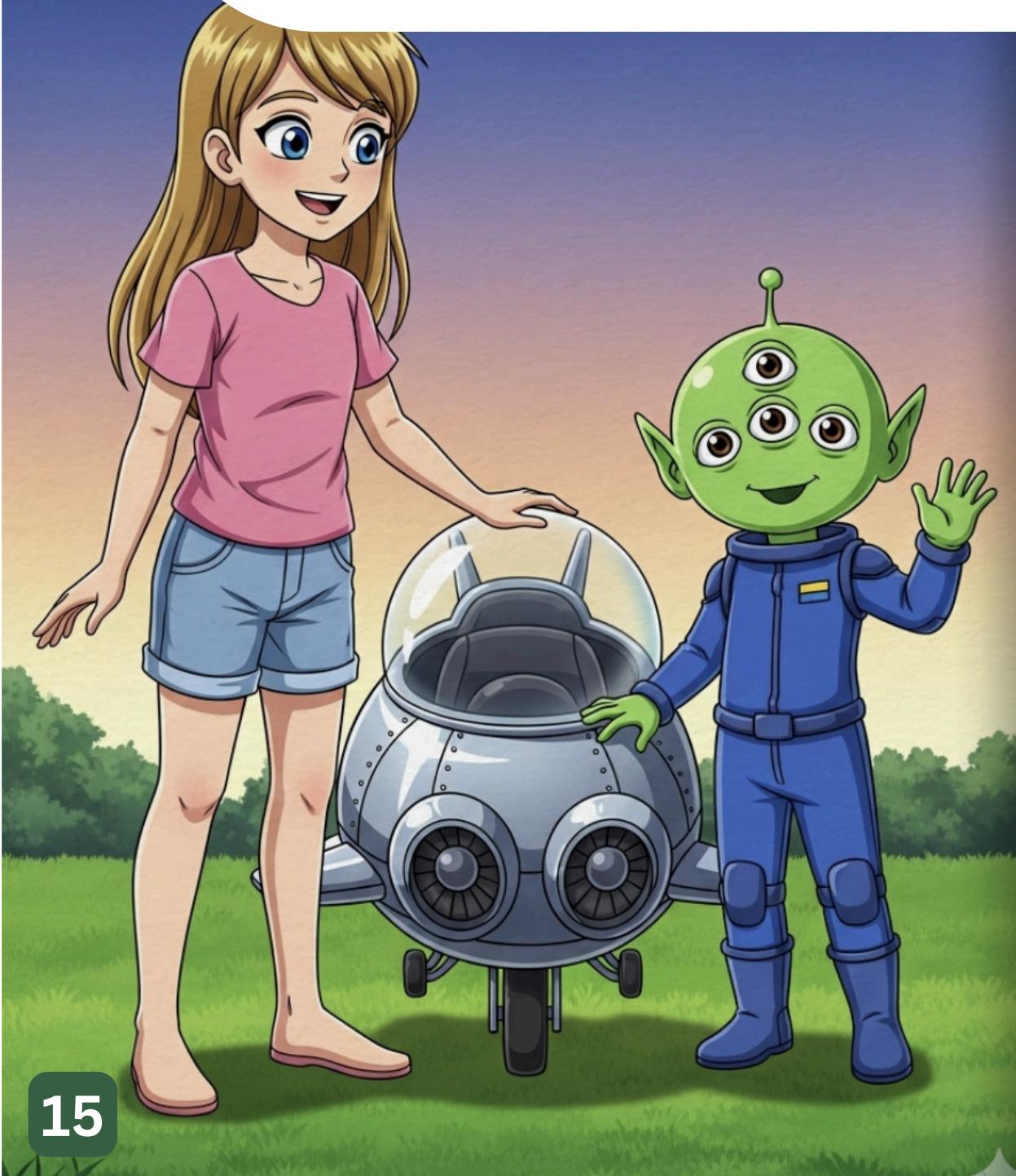
Alien: So only 1 atmosphere is there?

Zoe: No! There are layers to the atmosphere: troposphere, stratosphere, mesosphere, ionosphere, and exosphere.

The troposphere, which goes from the earth's surface to a height of 13 km, and beyond the troposphere, 50 km of height, is the stratosphere.

Alien: Wow, Zoe, your earth is really such an amazing place. My assignment is also completed now. Thank you.

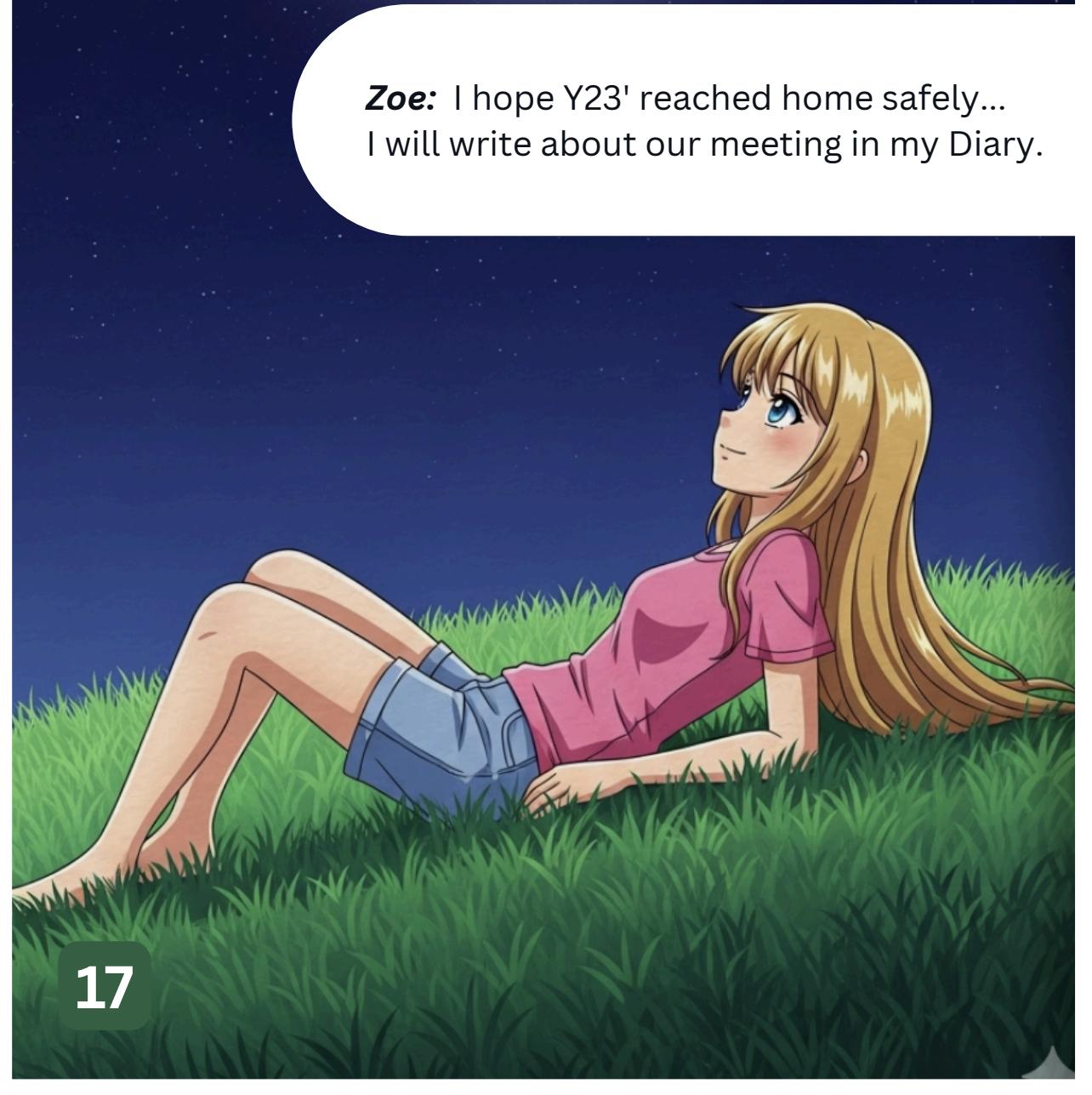
Zoe: No need for thank you; we are friends Y23'



Alien: I will take you to show you around my planet too... as a return gift.

Zoe: Ohh! That would be great. Hope to see you soon then... Take care Y23'





Zoe: I hope Y23' reached home safely...
I will write about our meeting in my Diary.

Crossword Puzzles



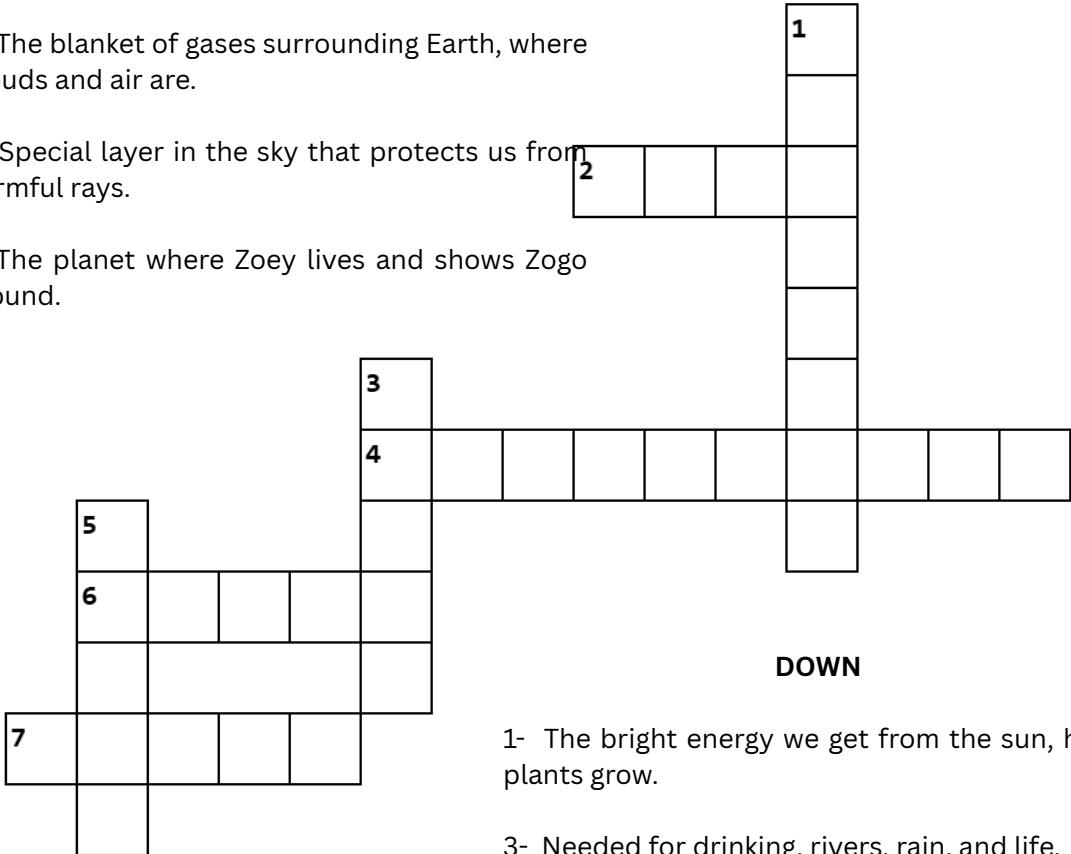
ACROSS

2- The natural satellite of Earth that shines at night.

4- The blanket of gases surrounding Earth, where clouds and air are.

6- Special layer in the sky that protects us from harmful rays.

7- The planet where Zoey lives and shows Zogo around.



DOWN

1- The bright energy we get from the sun, helps plants grow.

3- Needed for drinking, rivers, rain, and life.

5- A big white animal found in the Arctic region.

Answers :

ACROSS: 2- MOON 4- ATMOSPHERE 6- OZONE 7- EARTH

DOWN: 1- SUNLIGHT 3-WATER 5- POLAR