

Chapter- 2

EARTH-THE LIVING PLANETS

STUDY NOTES

- The Earth is home to all living things.
- Many different kinds of plants and animals live here.
- In the universe no other place in the universe where there is life.
- Our Earth is a unique planet.

The Earth-

- The Earth is a living planet.
- All living things need air, water and right amount of warmth to live.
- The Earth gets heat and light from the sun.
- A layer of air, called the atmosphere, surrounds the Earth.
- The surface of Earth is made up of land and water.
- Three- fourth of the Earth is covered with water and one-fourths by land.

The Shape of the Earth

- Long ago people used to think that the Earth was flat.
- They feared that if they will travel, they will fall off from the edge.

But is the Earth really flat?

- About 500 years ago, Ferdinand Magellan, a Portuguese sailor, set with a fleet of ships on a long voyage from Spain.
- He kept sailing in One direction. After three years, his ships reached the same place from where they had started.
- The sailors had really sailed around the Earth!
- Magellan proved that the Earth is round like a ball, not flat as people earlier thought.
- The astronauts further proved this. Astronauts are people who have been trained to travel in space in rockets and spaceships.
- When the astronauts looked at the Earth from outer space, they found that it looked like a huge ball.

The Horizon

- Looking front distance, the land and sky seem to meet.
- But in reality, they do not meet.
- The place at which the land and sky appear to meet is called the horizon.
- Every time we come closer to the horizon it seems to move further away.

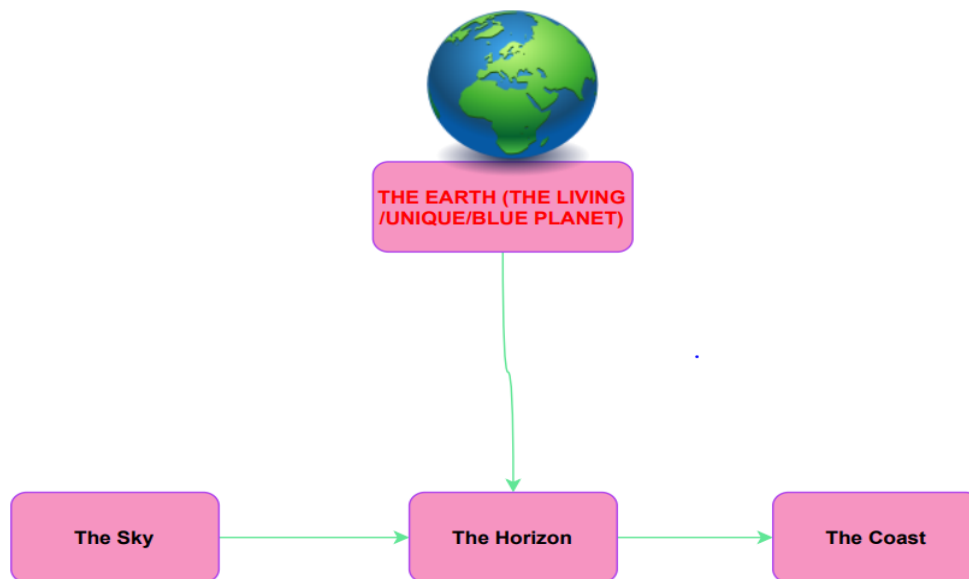
The Coast

- Land and sea meet at the coast.
- If we stand on the coast and face the sea, it will seem as if the water and the sky are meeting at a distance. This does not happen in reality.

The Sky

- Above the Earth is the sky. It looks blue though it is really not so.
- It is just a vast space surrounding the Earth.
- The sun, the stars and the moon are heavenly bodies in this space.

Memory Map

**Let's Know More-**

Answer in one word –

1. A place where land and sea meet-
2. The layer of air surrounding the Earth-
3. A person who travels in space –
4. A place where the land and sky appear to meet-
5. The earth is shaped like a-

Let's Do

- A. Write T for true and F for false sentences.
1. An astronaut is a person who travels around the world.
 2. The Earth is a huge ball of burning gases.
 3. Magellan sailed in one direction and finally his ship reached the place from where it had started.
 4. There is more land on the surface of the Earth than water.
 5. The sky is a vast space in the universe.
- B. Answer the following questions.
1. Why do we say that the planet Earth is unique?
 2. Who was Ferdinand Magellan?
 3. What is the shape of the Earth? Give two ways in which you can prove this.
 4. What is the horizon?
 5. Describe the sky.
- C. Multiple choice questions.
1. The land and sky appear to meet at the
a. Coast b. horizon c. sea
 2. All living things need this in order to live
a. Books b. toys c. air
 3. A person who is trained to travel in spacecraft is called an
a. Acrobat b. actor c. astronaut
 4. Magellan was a sailor from
a. France b. Portugal c. Britain
 5. The Earth is shaped like a
a. Ball b. plate c. burger

Teacher's Note

- Draw and color a picture of the Earth as seen from space.

Improve Your GK

- A globe is a model of Earth
- A map is a drawing of Earth and its features on a flat surface.
- The surface of the Earth consists of continents and oceans.
- Earth is slightly flat at the top and bottom and bulges at the center.

Answer Key: -

- A.**
1. F
 2. F
 3. T

4. F

5. T

B

1. Earth is the only planet which has air, water and the right amount of warmth for living beings to live on it.
2. Ferdinand Magellan was a Portuguese sailor who went around the world.
3. The Earth is round in shape. Magellan proved that the Earth was round by going around the Earth. Astronauts have looked at the Earth from outer space and found that it looks like a huge blue ball.
4. The place at which the land and sky meet is called the horizon.
5. The sky is a vast space surrounding the Earth.

C

1. b. horizon
2. c. air
3. c. astronaut
4. b. Portugal
5. a. ball

