

BIJENDRA PUBLIC SCHOOL, PURNEA

Class - 5

Subject - SOCIAL STUDIES

Chapter - 5 The Layers of the Earth

A. Fill in the blanks.

1. The ozone layer protects us from the ultra violet rays.
2. Our environment is very beautiful.
3. Atmosphere is made up of gases.
4. Lithosphere consists of landforms.
5. We have been able to discover 1.3 millions species till date.

B. Circle the correct options.

1. The outermost layer of the atmosphere is known as exosphere.

Ans. **Exosphere**

2. The lithosphere has landforms.

Ans. **Lithosphere**

3. Water moves through the hydrosphere in a cycle.

Ans. **Water**

4. The Earth can be divided into four realms or spheres.

Ans. **Four**

5. Biosphere consists of all the living things on our planet.

Ans. **Biosphere**

C. Answer the following questions in short.

1. Mention the three parts of the Earth.

Ans. The three parts of the Earth are core, mantle and crust.

2. What is the basic component of biosphere?

Ans. Biosphere has three basic components.

These are

- i. Abiotic
- ii. Biotic and
- iii. Energy components

3. What is environment?

Ans. Environment includes the living and nonliving that an organism interacts with or has an effect on it.

4. List the realms of the Earth.

Ans. The four realms of the Earth:

- i. Lithosphere
- ii. Hydrosphere
- iii. Biosphere
- iv. Atmosphere

D. Answer the following questions in detail.

1. Explain the features of the atmosphere.

Ans. Atmosphere is the layer where the various gases which are essential for life exist. Our atmosphere absorbs the harmful ultraviolet radiation of the Sun. It keeps the Earth warm by retaining the Sun's heat and saves us. Our atmosphere is composed of many types of gases as shown in the picture.

2. How has biosphere brought about changes in the other two spheres?

Ans. Biosphere is smaller than all the other spheres of the Earth, yet it has been instrumental in bringing about changes in other spheres. The present atmosphere, for example, is a result of the chemical activities carried out by the living beings. The fossil fuel in the lithosphere is formed by the decomposition of the dead organism.

3. How was oxygen created in the atmosphere?

Ans. Earlier, oxygen was absent from our atmosphere. As soon as the microorganism such as viruses and bacteria evolved, they started converting carbon dioxide into oxygen giving the present composition to our atmosphere.

E. Think and answer.

1. What has been the most important contribution of the biosphere in making the Earth a unique planet?

Ans. Biosphere consists of all the living things on our planet. From microorganisms to the giant whale - all living things are a part of the biosphere. This is the sphere which interacts with all the other spheres and depends on them for survival. This contribution of the biosphere is making the Earth a unique planet.

2. What are the latest steps taken by our government to conserve the environment?

Ans. The latest steps taken by our government to conserve the environment are

- i. River Conservation Programme
- ii. Green India Mission
- iii. National Afforestation Programme
- iv. National Coastal Management Programme
- v. National Mission on Himalayan Studies etc.