

Geography

Chapter-5

Major Domains of the Earth

A. Fill in the blanks.

1. The **Pacific** Ocean is the deepest ocean.
2. The **Atlantic** Ocean is the second largest ocean in the world.
3. Distinct areas with their own climate, soil, plants and animals are called **ecosystem**.
4. The **Indian** Ocean is the only ocean named after a country.

B. Name the following:

1. The Blue Planet – **Earth**
2. The largest ocean in the world.—**Pacific Ocean**
3. Realm of water – **Hydrosphere**.
4. The smallest ocean --**Arctic Ocean**.

C. Answer the following in brief.

1. **What are the four major domains of the Earth?**

Ans.1 The major domains of the Earth are –
Lithosphere, Atmosphere, Hydrosphere and Biosphere.

2. **Name the major continents of the Earth?**

Ans.2 There are seven major continents – **Asia, Africa, Europe, South America, North America, Australia and Antarctica.**

3. **Name the two continents that lie entirely in the Southern Hemisphere?**

Ans.3 South America and Australia lie entirely in the Southern Hemisphere.

4. Why is the biosphere important for the living organisms?

Ans.4 The biosphere is important for the living organisms as there is a natural balance among all the components of the biosphere.

D. Give geographical reasons for the given statements?

1. The Earth is known as the 'Watery Planet'.

Ans.1 The Earth looks blue and watery when seen from the space. Two thirds of the surface of the Earth is covered with water in the form of seas and oceans. All the water on the surface of the earth, including oceans, lakes, glaciers, water vapor and clouds comprise the hydrosphere.

2. The Atlantic Ocean is the busiest, for trade and commerce.

Ans.2 The Atlantic Ocean is S- shaped and stretches longitudinally from the north to south. Its coastline is uneven which provides good sites for sheltered harbours. The shipping routes across the North Atlantic Ocean connect the two major manufacturing regions North America and Western Europe.

3. Pressure decreases as altitude increases.

Ans.3 Pressure decreases as the height of a surface above ground level increases. This is because, as the altitude increases:

- the number of air molecules decreases
- the weight of the air decreases
- there is less air above a surface

4. Earth is the only planet that supports life.

Ans.4 Life is possible on Earth as it has the presence of land, air and water. It is the right distance from the Sun. It is kept warm by an insulating atmosphere, and it has the right chemical ingredients for **life**. The biological environment, made of living things such as plants and animals is important for survival as it provides food.

End of the Chapter.