

## Chapter 5: Major Domains of the Earth

**Question 1.** Answer the following questions briefly.

a. What are the four major domains of the earth?

**Answer:** The four major domains of the earth are:-

1. Lithosphere
2. Atmosphere
3. Hydrosphere
4. Biosphere

b. Name the major continents of the earth.

**Answer:** There are seven major continents of the Earth:

1. Asia
2. Europe
3. Africa
4. North America
5. South America
6. Australia
7. Antarctica

c. Name the two continents that lie entirely in the Southern Hemisphere.

**Answer:** Australia and Antarctica are the two continents that lie entirely in the southern hemisphere.

d. Name the different layers of atmosphere.

**Answer:** There are five different layers of the atmosphere:-

1. The troposphere
2. The stratosphere
3. The mesosphere
4. The thermosphere
5. The exosphere

e. Why is the earth called the 'blue planet'?

**Answer:** The earth is called the blue planet because more than 71% of the Earth is covered with water.

f. Why is the Northern Hemisphere called the Land Hemisphere?

**Answer:** The Northern Hemisphere is called the Land Hemisphere because the larger part of the landmasses lies in it.

g. Why is the Biosphere important for living organisms?

**Answer:** The biosphere is important for living organisms because:-

1. Life exists in this zone.
2. Land, water, and air are found here.
3. All living organisms including humans are linked to each other and to the biosphere for survival.

**Question 2.** Tick the correct answer.

a. The mountain range that separates Europe from Asia is

- i. the Andes
- ii. the Himalayas
- iii. the Urals

b. The continent of North America is linked to South America by

- i. an Isthmus
- ii. a Strait
- iii. a Canal

c. The major constituent of atmosphere by per cent is

- i. Nitrogen

- ii. Oxygen
  - iii. Carbon dioxide
- d. **The domain of the earth consisting of solid rocks is**
- i. the Atmosphere
  - ii. the Hydrosphere
  - iii. the Lithosphere
- e. **Which is the largest continent?**
- i. Africa
  - ii. Asia
  - iii. Australia

**Answer:**

1. (iii) the Urals
2. (i) An isthmus
3. (i) Nitrogen
4. (iii) the Lithosphere
5. (ii) Asia

**Question 3. Fill in the blanks.**

- a. The deepest point on the earth is \_\_\_\_\_ in the Pacific Ocean.
- b. The \_\_\_\_\_ Ocean is named after a country.
- c. The \_\_\_\_\_ is a narrow contact zone of land, water and air that supports life.
- d. The continents of Europe and Asia together are known as \_\_\_\_\_.
- e. The highest mountain peak on the earth is \_\_\_\_\_.

**Answer:**

- a. The deepest point on the earth is Mariana trench in the Pacific Ocean.
- b. The Indian Ocean is named after a country.
- c. The biosphere is a narrow contact zone of land, water and air that supports life.
- d. The continents of Europe and Asia together are known as Eurasia.
- e. The highest mountain peak on the earth is Mount Everest.

**Map Skills**

**Question:** On the outline map of the world, mark the following :  
Europe, Asia, Antarctica, South America, Australia, Indian Ocean, Pacific Ocean,  
Atlantic Ocean, Ural Mountains and Isthmus of Panama.

**Answer:**

