

**Ch-5**  
 **Major Domains of the earth**Question 1. The solid portion of the earth on which we live is called?   
a1.Lithosphere  
  
Question 2. What is Atmosphere?   
a2. The gaseous layers that surround the earth, is the Atmosphere, where oxygen, nitrogen, carbon dioxide and other gases are found.  
  
Question 3. Water covers a very big area of the earth’s surface and this area is called?  
 a3.Hydrosphere(it comprises of water in all its forms)  
Question **4.** The narrow zone where we find land, water and air together, which contains all forms of life is known as?  
a4. Biosphere  
  
Question 5. What are the components of the Lithosphere?  
a5. Lithosphere comprises of the rocks of the earth’s crust and the thin layers of soil that contain nutrient elements which sustain organisms.  
  
Question 6. What are the two main divisions of the earth surface?  
a6. Continents (large landmasses)  
 Ocean basins (huge water bodies)  
  
Question 7. Elevation of land is measured from the level of?  
a7. Sea( which is taken as zero)  
  
Question 8. Which is the highest mountain peak?  
a8. Mt. Everest (8,848 metres above the sea level.)  
  
Question 9. What is the greatest depth?  
a9. The greatest depth of 11,022 metres is recorded at **Mariana Trench in the Pacific Ocean**.  
  
Question 10. How many major continents are there? Name them.  
a10. There are seven major continents, namely  
-ASIA  
-EUROPE  
-AFRICA  
-NORTH AMERICA  
-SOUTH AMERICA  
-AUSTRALIA   
-ANTARCTICA   
  
Question 11. Define Asia.  
a11. -largest continent.   
-It covers about one third of the total land area of the earth.  
 -The continent lies in the Eastern Hemisphere.   
-The Tropic of Cancer passes through this continent  
  
Question 12. Combined landmass of Europe and Asia is known as?  
a12. Eurasia   
  
Question 13. Give some features of Europe.  
a13. -Much smaller than Asia.   
-The continent lies to the west of Asia.   
-The Arctic Circle passes through it.   
-It is bound by water bodies on three sides  
  
Question 14. Name the second largest continent.  
a14. Africa  
  
Question 15. Through which continent equator, tropic of cancer and tropic of Capricorn passes?  
a15. Africa  
  
Question 16. Name the largest desert of the earth which is located in Africa.  
a16. Sahara desert  
  
Question 17. World’s longest river \_\_\_\_\_\_\_\_\_, flows through Africa.  
a17. Nile  
  
Question 18. Describe some features of North America.  
a18. - Third largest continent of the world.   
- linked to South America by a very narrow strip of land called **the Isthmus of Panama.**- lies completely in the Northern and Western

Hemisphere.   
-Three oceans surround this continent.  
  
Question 19. The Andes, world’s longest mountain range, runs through its length from north to south in which continent?  
a19. South America  
  
Question 20. Name the world largest river which is in South America.  
a20. Amazon  
  
Question 21. Name the smallest continent.  
a21. Australia   
  
Question 22. Australia is also known as?  
a22. Island continent ( surrounded by oceans and sea on all sides)  
  
Question 23. Give some features of Antarctica.  
a23. -completely in the Southern Hemisphere.

-It is larger than the combined area of Europe and Australia.   
-The South Pole lies almost at the centre of this continent.  
-It is permanently covered with thick ice sheets.   
-There are no permanent human settlements  
  
Question 24. Name the research stations of India which are found in Antarctica.  
a24. **Maitri** and **Dakshin Gangotri**.  
  
Question 25. Earth is also known as?  
a25. Blue planet( more than 71% is covered with water)  
  
Question 26. 97% of water is found in?  
a26. Oceans (which is very salty for human use)  
  
Question 27. Name the four major oceans in order of their size.  
a27. **Pacific Ocean (**largest, spread over 1/3rd part of the earth, circular in shape)  
 **Atlantic Ocean** (2nd largest, S shaped, busiest ocean)  **Indian Ocean** (named after the country India, triangular in shape)

**Arctic Ocean** ( located within arctic circle and surrounds the North pole)  
  
Question 28. Arctic ocean is connected with the Pacific Ocean by a narrow stretch of shallow water known as?

A28.Berring strait.  
  
Question 29. Name the five layers of atmosphere.  
a29. -Troposphere  
-stratosphere  
-mesosphere  
-thermosphere  
-exosphere  
  
Question 30. Why do the climbers experience problems in breathing at height?  
a30. The density of the atmosphere varies with height. It is maximum at the sea level and decreases rapidly as we go up. The climbers experience problems in breathing at height due to decrease in the density of air.  
  
Question 31. The organisms in the biosphere may broadly be divided into?  
 a31. **Plant kingdom** and the **animal kingdom**Question 32. What do you mean by global warming?  
a32. Increase in the amount of CO2 leads to increase in global temperatures. This is termed as global warming.