



Question Bank

Grade 7- Science

Chapter 7 -Soil

Answer the following questions:

1. What is the purpose of heating the soil in the test tube?
- 2.** What does the condensation on the inner sides of the test tube indicates?
3. How crop rotation increases the fertility of the soil?
4. Why different types of crops require different types of soil to grow?
5. How does soil pollution occur through non-biodegradable items?
6. What is a common source of soil pollution related to agriculture?
7. What impact does acid rain have on soil?
8. What is the primary function of soil in supporting plant growth?
9. How does the texture of soil influence its water retention capacity?
10. Name one human activity that can contribute to soil erosion.
11. Explain the importance of soil conservation in agriculture.
12. When we add some dry soil to the water in a glass and stir it, bubbles are observed from the soil. What causes these bubbles to raise?
13. What is weathering?
14. There is shimmering of air just above the soil during hot summer day. What does the term shimmering indicate?
15. It is necessary to ban the use of polythene bags and plastics. Do you agree? If yes, why?
16. What is humus and how is it formed?
17. Why is loamy soil used for cultivation of crops?
18. List the substances which pollute the soil.
19. The percolation rate varies from soil to other soil. Which soil would have the highest and least percolation rate?
20. A student visits two types of field and observes that soil from field A has high percolation rate of water, while soil from field B has low percolation rate. In field B, paddy crop was grown while in field A,

there was no standing crop. Name two types of soil present in two fields.

21. Read the following statements and give the appropriate terms for each of them.

(a) The process of breakdown of rocks by the action of wind, water, sunlight.

(b) Removal of topsoil during heavy rains or strong winds.

(c) Accumulation of wastes in the soil generated by human activity which alter the features of soil.

(d) The process of movement of water into deeper layers of soil.

22. A man digging a pit found that he could dig with ease initially but digging became difficult as he went deeper. He could not dig beyond a depth 5 feet. Provide a suitable scientific explanations.