

Chapter-4

Worksheet-1

Q. 1: In addition to the rock particles, the soil contains_____.

- (a) Air and Water.
- (b) Water and Plants.
- (c) Minerals, organic matter, air and water.
- (d) Water, air and plants

Q. 2: Percolation rate of water is the least in?

- (a) Sandy soil
- (b) Clayey soil
- (c) Loamy soil
- (d) None of these

Q. 3: Clayey particles are of size:

- (a) More than 0.4 mm
- (b) Less than 0.4 mm
- (c) More than 0.2 mm
- (d) Less than 0.2 mm

Q. 4: Breaking down of big pieces of rock into smaller pieces is called:

- (a) Soiling
- (b) Mounding
- (c) Weathering
- (d) Curving

Q. 6: Which of the following soil type is loosely packed with large air spaces?

- (a) Plants
- (b) Top soil
- (c) Sub soil
- (d) Soil organisms

Q. 7: Soil is made up of four main ingredients. Choose the correct list of ingredients.

- (a) Tiny pieces of rock, humus, air and sand.
- (b) Humus, or dead plant material, clay, water, and salts.
- (c) Tiny pieces of rock, air, water, and humus or dead plant material.
- (d) Air, water, tiny pieces of rock, and manure.

Q. 8: Choose organism who don't live in soil.

- (a) Worms
- (b) Moles
- (c) Bacteria
- (d) Cats

Q. 9: This soil ingredient is made up of decayed plants and animals.

- (a) Air
- (b) Humus
- (c) Minerals
- (d) Water

Q. 10: are soils in which more than half of the parent mineral matter is volcanic ash and appear very dark in colour.

- (a) Desert soil
- (b) Volcanic soil
- (c) Alluvial soil
- (d) Clayey soil

Q. 11. Explain how soil is formed.

Q. 12. How is clayey soil useful for crops?

Q.13. List the differences between clayey soil and sandy soil.

Q.14. Sketch the cross section of soil and label the various layer.

Q.15. Razia conducted an experiment in the field related to the rate of percolation. She observed that it took 40 min for 200 mL of water of percolate through the soil sample. Calculate the rate of percolation.

Q.16: What is 'weathering'?

Q. 17. What is humus?

Q. 18. Which layer of soil is rich in fauna?

Q. 19. What kind of soil should be used for making matkas and surahis?

Q. 20. Which of the following situations - 'A' or 'B' is advantageous for absorption of water and minerals? Why?