

Sharya Academy

Science worksheet Class VII

Soil

Q1. Fill in the blanks:

- In addition to the rock particles, the soil contains _____, _____, _____ and water.
- The water holding capacity is the highest in _____.
- Soil profile refers to an arrangement within a soil of _____.
- _____ soil is best suited for growing plants.
- _____ contains humus.

Q2. Match the following:

- | | |
|--------------------------------|----------------------------------|
| a. A home for living organisms | large particles |
| b. Upper layer of the soil | all kind of soil |
| c. Sandy soil | dark in color |
| d. Middle layer of the soil | small particles and packed tight |
| e. Clayey soil | lesser amount of humus |

Q3. Give one word for the following:

- The layer of soil made up of broken lumps of rocks and lacks humus.
- Soil with greater proportion of fine particles.
- Soil that has greater proportion of large particles.
- Soil with largest water holding capacity.
- Soil with equal amount of large and fine particles.

Q4. Why is the uppermost layer of soil dark in color?

Q5. Calculate the percolation rate if 300ml of water percolates through a certain sample of soil in 25 minutes.

Q6. How does humus help to increase the soil fertility?

Q7. If a 50g sample of soil absorbs 15 ml of water. Calculate the water holding capacity of the soil.