



INDIAN SCHOOL DARSAIT DEPARTMENT OF SCIENCE



Subject : SCIENCE **Topic : SOIL** **Date of Worksheet : 07-08-2019**
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Name of the Student : _____ **Class & Division : _____** **Roll Number : ____**

- 1 Which of the following has the smallest size of particles 1
a) Sand b) Silt c) Clay d) Gravel
- 2 Paddy grows best in 1
a) Clayey soil b) Loamy soil c) Sandy soil d) Sandy- loam
- 3 Which soil 1
a) allows more water to percolate- sandy or clayey soil?
b) absorbs more water- sandy or clayey soil? Give reason.
- 4 **Name the following :** 1
1. Two agents of weathering. Mark
2. The type of soil that can hold more water. each
3. The soil which is a mixture of sand, clay and silt.
4. Three agents of soil erosion.
5. The type of soil used for making pottery.
6. In deserts, soil erosion occurs through this.
7. The rotting dead matter in the soil.
8. Humus is present in this layer of soil profile.
9. A vertical section through different layers of the soil.
10. The best top soil for growing plants.
- 5 **Write True or False :** 1
1. If the amount of large and fine particles is about the same, then the soil is called loamy soil. Mark
2. The layer which is hard and difficult to dig with spade is called top soil. Each
3. Sandy soil is used to make pots, toys and statues.
4. Soil is affected by climatic factors.
5. The soil which is light, well aerated and rather dry is clayey soil.
6. Soil erosion takes place in areas of heavy vegetation.
- 6 Rahul conducted an experiment in the field related to the rate of percolation. He observed that it took 1
20 min for 800 ml of water to percolate through the soil sample. Calculate the rate of percolation. 1
- 7 Water is poured into the funnel till it starts dripping. Volume of water absorbed is calculated by 1
subtracting the volume of water left from the initial volume of water taken. If so, calculate the 1
percentage of water absorbed.
Weight of soil taken= 150g
Volume of water absorbed by the soil= 80ml (Initial volume of water – Final volume of water)

