

ATOMIC ENERGY EDUCATION SOCIETY  
ANSWER KEY TO WORKSHEET 2/2  
L. NO 9 SOIL CLASS VII SCIENCE

1. Clayey soil absorbs more water but allows less water to percolate.
2. Percentage of water absorbed =  $\frac{\text{Amount of water absorbed in mL}}{\text{Amount of soil in grams}} \times 100$
3. When dry soil is added in the water in a glass and stir it, bubbles appear. These bubbles are caused due to the air present in between the soil particles.
4. On a hot summer day, the vapor coming out of the soil reflects the sunlight and the air above the soil seems to shimmer.
5. It is used to grow crops. It provides material for shelter. It is used to make toys, statues and pots.
6. Wind, Rainfall, temperature, light and humidity
7. The soil rich in clay and organic matter is best for paddy. It has more water retaining capacity.  
For growing wheat loamy or clayey soil is best. Such soil retains water for long time.  
For growing lentil loamy soil is best.
8. Polythene bags and plastics pollute the soil as they kill the organisms living in the soil.  
That's why, it is necessary to ban the use of polythene bags and plastics.
9. The farmer can convert acidic soil into neutral soil by adding a small quantity of quicklime or slaked lime solution to the soil.
10. Given, amount of water = 960 mL  
Time taken to percolate = 120 min  
The rate of percolation will be  

Amount of water in mL	960mL	-----	=	-----
Percolation time in min	120 min			

  
Percolation rate = 8 mL/min

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