



SHORT ANSWER TYPE QUESTIONS

1. Mention two main functions of water for living organisms.

Ans: Two main functions of water for living organisms are:

1. Water is essential for the germination of seeds, growth of plants and in photosynthesis.
2. Water is used for the transportation of people and goods.

2. Why is ocean water not suitable for domestic use?

Ans: Sea and ocean water contains large amounts of various salts. It is due to these salts the ocean water is salty and cannot be used for drinking, washing and for irrigation purposes.

3. Why does the water split on the floor disappear after some time?

Ans: Due to evaporation the water split is changed into water vapour. So it disappears after some time.

The diagram given below presents a view of water cycle.

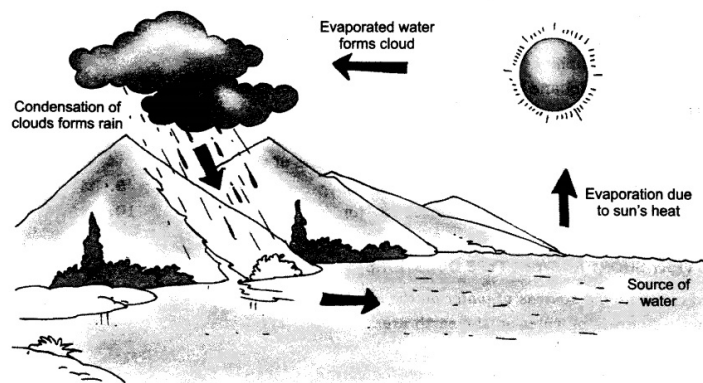


Fig. 14.8 Water cycle

4. How does heavy rain affect us?

Ans: Heavy rains may cause:

1. A rise of water level in dams, rivers, lakes, etc.
2. Waterlogging and floods.
3. Floods cause damage to property, crops and animals.

5. How does the failure of rainfall affect people on the earth?

Ans: The failure of rainfall can cause the following:

1. The soil becomes dry.
2. Water level in rivers, lakes, dams, etc. may fall. Ponds and canals may even dry up.
3. The ground water level falls.

6. Name two processes responsible for the formation of clouds.

Ans: Evaporation and transpiration.

7.

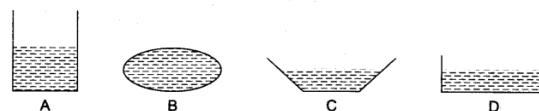


Fig. 14.9

There are 4 containers A, B, C and D with same amount of water in each. Answer the following based on them.

(a) Name the container in which water will evaporate faster than all others.

(b) Name the container in which water will evaporate very slowly. Give reason for your answer.

Ans. (a) C - More is the exposed surface area, more will be evaporation of water.

(b) B - As it is closed, no evaporation takes place.

8. During winters why do we see more fog in close areas where there are lots of trees?

Ans: Due to lots of trees, air at that place contains much more water vapour during winters. These vapour condense on dust or smoke particles forming thick fog.

LONG ANSWER TYPE QUESTIONS

1. What is meant by conservation of water? Suggest three methods to conserve water.

Ans: Careful and economical use of water and avoiding its wastage is called conservation of water.

Suggestions for conserving water:

1. Use only the required quantity of water.
2. Trees and forests help in causing rainfall. So to conserve water, we should plant more and more trees.
3. By collecting rainwater in tanks, ponds or by constructing check dams.

2. What is rainwater harvesting? Describe the method of rainwater harvesting.

Ans: Rainwater harvesting is the collection of rainwater and storing for future use. In this system rainwater is collected from the rooftops by means of pipes into storage tank for later use.

Methods of Rainwater Harvesting:

1. Rooftop rainwater harvesting. In this system, the rainwater from the rooftop is collected in a storage tank, through pipes.
2. Another method, a big pit is dug near house for collecting rainwater. This pit is filled with different layers of bricks, coarse gravels and sand or granite pieces.

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