

WATER: A precious Resource

- 1) Mark (T) if the statement is true and 'F' if it is false:
 - a) The freshwater stored in the ground is much more than that present in the rivers and lakes of the world. (T)
 - b) water storage is a problem faced only by people living in rural areas. (F)
 - c) water from rivers is the only source for irrigation in the fields. (F)
 - d) Rain is the ultimate source of water. (T)

2) Explain how groundwater is recharged.?

Ans → The ground water gets recharged through the process of infiltration. Infiltration means seeping of water from rivers and lakes into the empty spaces and cracks deep below the ground.

3) There are ten tubewells in a lane of fifty houses. what could be the long-term impact on the water table.

(2)

Ans → The effect on the water table depends on the replenishment of underground water. Only five families will share a tubewell, the water used for daily domestic purposes will not effect the water table. But if there is ~~store~~ storage of rains; the water used by the family will not replenished and water table will fall ~~down~~ down.

4) you have been asked to maintain a garden. How will you minimise the use of water?

Ans → To minimise the wastage of water we will use the drip irrigation which throws the water at the base of plants. We will check the leakages in the water pipes and arrange small pits for rainwater harvesting. The collected rainwater will be used later.

5) Explain the factors responsible for the depletion of water table.

Ans → Factors responsible for the depletion of the water table are as follow.

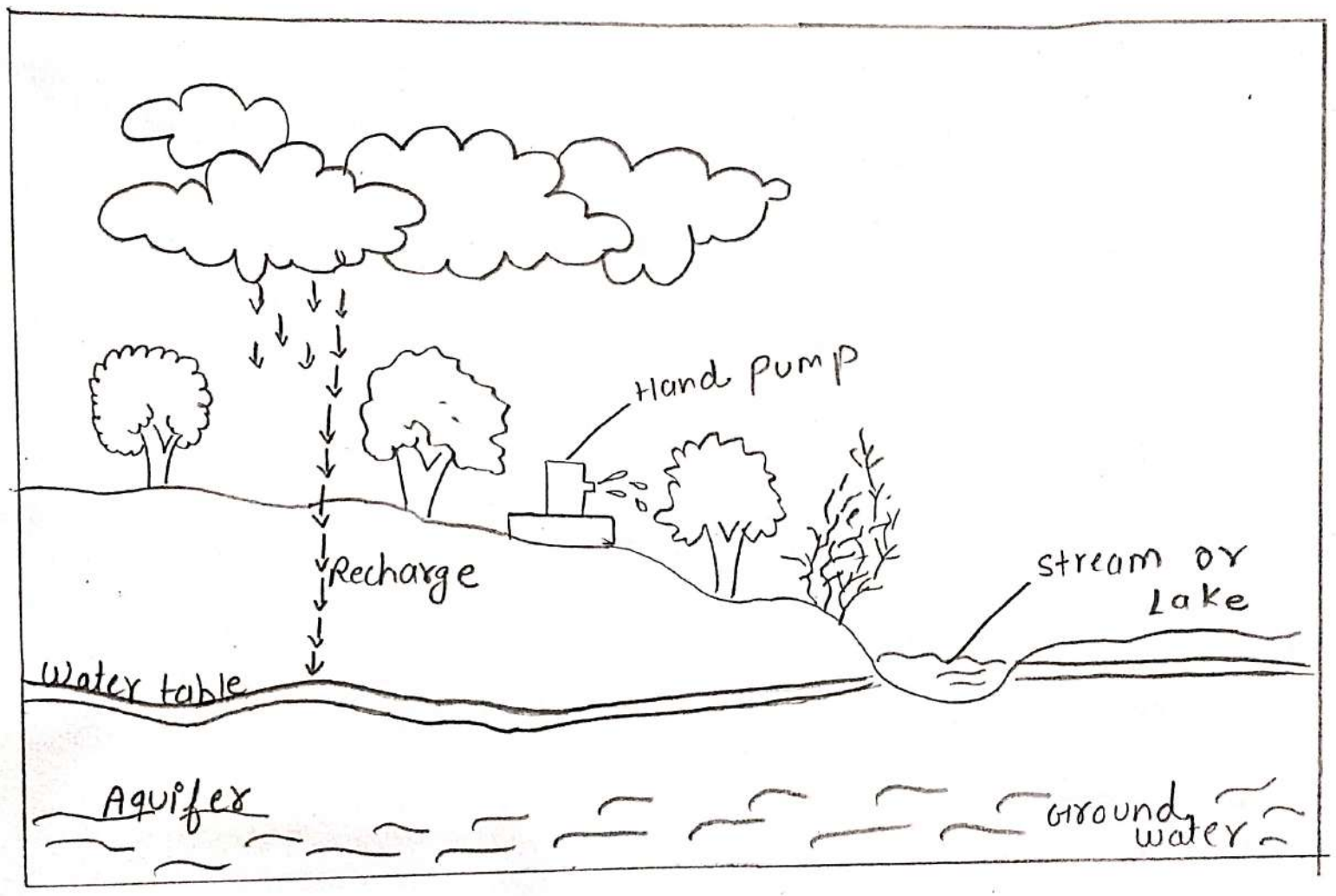
1) Increase in population :- Increase in population leads to increased demand for water for domestic and drinking purpose. This reduces the water table.

2) Industrialisation :- Industries need lot of water for manufacturing purposes. This reduces the water table.

- 6) Fill in the blanks with the appropriate answer.
- a) people obtain groundwater through wells and hand pumps.
- b) ~~Three~~ Three forms of water are solid, liquid, and gas.
- c) The water bearing layer of the earth is aquifer.
- d) The process of water seepage into the ground is called infiltration.
- 7) Which one of the following is not responsible for water shortage?
- (i) Rapid growth of industries
 - (ii) Increasing population
 - (iii) Heavy rainfall
 - (iv) Mismanagement of water resources.
- Ans → (Heavy rainfall)
- 8) Choose the correct option. The total water.
- (i) in the lakes and rivers of the world remains constant.
 - (ii) under the ground remain constant.
 - (iii) in the seas and oceans of the world remains constant.
 - (iv) of the world remain constant.

Ans → (Of the world remains constant) (4)

9) Make a sketch following showing ground-water and water table. Label it.



Additional questions

1) what is rainwater harvesting?

Ans → The water we get as rainfall just flows away. The rainwater can be used to recharge the ground water is called rainwater harvesting.

2) when will world water day celebrated?

Ans → on 22nd March, world water day is celebrated.

3) what is water cycle.

Ans → The water on the earth maintained for millions of years by various processes like evaporation and condensation which make the water cycle.

4) Define drip Irrigation.

Ans → Drip Irrigation is a technique of watering plants by making use of narrow tubes which deliver water directly at the base of the plant.