

Subject- EVS

Class- V

Topic- Sources of Water

Learn and write the following questions and answers -

**Q1. List 3 ways to draw underground water.**

A1. We dig wells, set up tube wells and hand pumps to draw underground water.

**Q2. How is water drawn out from a well?**

A2 Water is drawn out from a well with the help of a pulley which is a wheel with a grooved outer rim. A bucket is tied at the end of a rope fitted in the groove of the wheel. As the rope is released, the bucket goes down into the well. When the bucket gets filled with water, it is taken out of the well by pulling the rope. Most of the villages in our country have wells to draw underground water. People also use electric pumps to draw underground water from the tube wells.

**Q3. Match the following-**

Column A	Column B
(a) Dams (iv)	(i) kills germs
(b) Ponds (v)	(ii) pond
(c) Boiling water (i)	(iii) sewage
(d) Body of standing water (ii)	(iv) generate hydro-electricity
(e) Discharge from factories (iii)	(v) water stands at public places

A3. (a) (iv)

(b) (v)

(c) (i)

(d) (ii)

(e) (iii)

**Q4. Why are the ponds connected through canals?**

A4. The ponds are interconnected to one another through canals for the conservation of water. When the ponds are fully filled with rainwater, water begins to flow from that pond to another pond which is not filled. In this way, there is no wastage of water.

**Q5. Why are dams constructed on rivers?**

A5. Dams are constructed on rivers for the following reasons—

- (a) To provide drinking water to the people.
- (b) To provide water to the crop fields (irrigation).
- (c) To prevent flooding of rivers.
- (d) To generate electricity.

**Q6. Write the steps for rainwater harvesting.**

A6. The process of collecting rainwater from roofs and streets and storing it for further use is called rainwater harvesting.

Steps of rooftop rainwater harvesting:

(a) The rainwater that falls on the rooftops of houses or buildings is brought down through water pipes.

(b) It is collected in big underground concrete storage tanks, having layers of coarse sand, gravel and broken bricks arranged to clean water before use.

(c) Instead of collecting water in tanks, the rainwater goes directly into a pit in the ground through the pipes. This raises the level of groundwater.

**Q7. Kings in the past constructed step wells for the welfare of the people. Give any 3 reasons to justify this.**

A7. In the past, kings/rulers made step wells for the welfare of the people due to the following reasons—

- (a) It served as the source of water.
- (b) A step well had steps on all its sides so that people could reach the water easily.
- (c) Baori or step well was also a place where community activities and religious ceremonies were held.

**Q8. The government is keen to construct dams on the rivers. Why should their efforts be appreciated?**

A8. Due to the continuous increase in population, the demand for water has also increased. To fulfill the need of water and to overcome this shortage, huge dams are constructed on the rivers by the government. These efforts need to be appreciated because construction of dams on the rivers are beneficial as they—

- (a) Provide drinking water to the people.
- (b) Provide water to the crop fields (irrigation).
- (c) Prevent floods in the river.
- (d) Help to generate electricity.

**Q9. Why is the water from ponds/lakes filtered?**

A9. The water from ponds/lakes is filtered because of the following reasons–

- (a)The water from ponds/lakes is dirty and unfit for drinking.
- (b)To kill the disease-causing germs present in it.

**Q10. What are the reasons for the pollution of water of lakes/ponds?**

A10. The reasons for the pollution of water of lakes/ponds are–

- (a)Bathing of human beings and animals in the pond.
- (b)Washing of clothes, utensils or cattle in the pond.
- (c)Throwing/discharging the liquid waste from the kitchen and toilet into the ponds/lakes.
- (d)Discharging or flowing of factory wastes and sewage into the pond.

**Q11. How is the purification of water done at your home?**

A11. Water can be purified at home by boiling, using a water filter or an electrical water purifier.

**Q12. Why are stairs constructed in the step wells?**

A12. Stairs are constructed in the step wells on all its sides so that people can reach the water easily.

**Q13. What is the difference between a well and a step well.**

A13.

A well	A stepwell
Well is a deep hole dug in the ground where underground water is easily available.	A step well is a well that has steps on all its sides so that people can reach the water.

**Q14. From where does the water come in a well?**

A14. In wells, the water comes from the underground.

**Q15. Due to which reasons the drinking water sources are getting polluted?**

A15. The drinking water sources are getting polluted because of the following reasons—

- (a)Bathing of human beings and animals in rivers, lakes, ponds, etc.
- (b)Throwing liquid waste from the kitchen and toilet in the water bodies.
- (c)Discharging factory and industrial wastes and sewage in the water bodies.

(d) Spillage of oil in water or disposal of waste oil in water bodies.

(e) Disposal of radio-active wastes, plastic wastes, waste from supermarkets, electronic wastes, garden cuttings, etc., in the water bodies.