**Chapter 7**

 **Importance of Water**

1. Make a collage showing the different uses of water in the household.
2. List the different uses of water other than one in the house hold.
3. I went to a village and found that there was no tap from which I could take water. Suggest different ways by which I could get water.
4. Explore the place where you live and note down the different ways used by people to draw out the ground water.
5. Make a chart showing a step-well and state its use.
6. Make a model of a well.
7. Ask the student to visit any water bodies and see that whether the water body was polluted or not and write a paragraph on how people should take care of water body and do not pollute it.
8. Why do we say water is an important natural resource?
9. Correct the given statements
10. All the animals do not drink water.
11. The water does not help the animals to absorb nutrients of the food.
12. Plants do not require water to make its food.
13. About half the surface of earth is covered with water.
14. A step well is a well that has steps on one side only.
15. Now days we do not have well planned air system to supply water to homes and offices in the cities.
16. Define the following terms
17. Ground water
18. Step well
19. Amphibious animals
20. Aquatic animals
21. Aquatic plants
22. Name 2 important means of transportation that use water for the movement.
23. Name the stem of an aquatic plant that is eaten as vegetable.
24. Complete the given statements
25. Water is also used for \_\_\_\_\_\_\_\_\_\_the fields and generating\_\_\_\_\_\_\_\_\_.
26. Some of the \_\_\_\_\_\_ gets dissolved in water and excreted in form of \_\_\_\_\_.
27. Water bodies like lakes, rivers and seas are natural\_\_\_\_\_\_ of many animals.
28. Whale and sea horse cannot live \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
29. Plants require various \_\_\_\_\_\_\_\_ for their growth.
30. \_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_ are examples of aquatic plants.
31. Only very small percentage that is \_\_\_\_\_\_\_ of water is practically used by human beings.
32. In early days people used to draw water from\_\_\_\_\_\_\_\_\_\_.
33. Water is needed by animals for the \_\_\_\_\_\_\_\_ of its food.
34. \_\_\_\_\_\_\_ are \_\_\_\_\_\_\_\_\_\_\_\_ amphibious animals.
35. Water is an essential resource for every living organism, justify.
36. How does water help animals in excreting waste?
37. What helps the plant to absorb water?
38. Complete the flow chart

Different ways of drawing ground water

1. Explain how a tube well is used to draw ground water.
2. In olden days from where did people use to get water for daily use?
3. Do all the places in India have a system for supplying water?
4. How does the drinking water coming from the tap reach the homes and offices?
5. Why do we say that frog and turtle are amphibious animals?
6. What are the different purposes for which plants need water?

 **Chapter 8**

 **Properties of Water**

1. Geeta was given a packet having white powder by her mother and asked to add it to a glass full of water. Once she adds the powder the powder disappears. Suggest why this happens.
2. Group of children went for a walk along a river, as they were walking along the river they threw few things like pebbles, coins, thermocole, saw dust, iron nails into the river. Some of these things sunk while other floated. Make a list of the things that float and the once that sink.
3. I washed my hands with water and did not wipe them with a towel or any cloth, but after sometime when I saw my hands they were completely dry. State what has made my hands dry without being wiped.
4. Ravi took a glass full of ice cubes and kept on a table and left it there for some time, water droplets appear on the glass why?
5. Define the following terms
6. Condensation
7. Evaporation
8. Solution
9. Solute
10. My mother by mistake dropped an open bottle of mustard oil in a bucket full of water. What will happen to mustard oil and why?
11. In nature water exists in how many physical states?
12. How can we change the water from one physical state to another?
13. Name the purest form of water
14. Correct the given statements
15. Change of vapor form of a substance to solid form on cooling is known as condensation.
16. The cyclic process of evaporation of water followed by its transpiration is called water cycle.
17. Cork sinks in water.
18. Sand and sugar are insoluble in water.
19. The substance that is dissolved in a medium to get a solution is known as solvent.
20. Sugar when dissolved in water is visible.
21. The nimbu pani prepared at home is based on which property of water?
22. Which property of water helps the aquatic animals to breathe in water?
23. Which gas present in air is not able to dissolve at all in water?
24. Complete the given statements
25. Sand and \_\_\_\_\_\_ do not \_\_\_\_\_\_\_\_ in water.
26. Some \_\_\_\_\_\_\_\_\_\_ are soluble in water while others are not.
27. Iron nails and marbles \_\_\_\_\_\_ in water.
28. Change of \_\_\_\_\_\_ into its vapor form is called evaporation.
29. Water can change from one physical form to another by\_\_\_\_\_\_\_\_\_\_\_\_\_.
30. Water from oceans, seas, rivers changes into vapor as it evaporates due to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
31. A part of rain water, which falls on the earth sinks into \_\_\_\_\_\_\_.
32. Rain drops become impure on reaching the surface of earth because many \_\_\_\_\_\_\_\_ in the air get dissolved in it.
33. Change of vapor form of substance into \_\_\_\_\_\_\_ on \_\_\_\_\_\_ is known as condensation.
34. What is transpiration? Is it part of water cycle? State reason for your answer.
35. Given below are the name of few substances

Chalk, Sugar, Salt, Mustard oil, Sand, lime juice, Pebbles. Classify these substances as soluble and insoluble.

1. How are the clouds formed?
2. What happens to the rain water that falls on the earth?
3. When we travel in a car during winter season with windows closed, many a times we are able to make picture on the window panes towards inside. What do you observe on window which enables you to do so? Give reason for your observation.
4. Briefly explain the water cycle in nature.
5. When does the process of conversion of water vapor into its liquid form occurs in nature on large scale?
6. Complete the given table

|  |  |  |
| --- | --- | --- |
| S.N | Name of the substance | Whether it floats/sink |
|  1 | Hair oil |  |
|  2 | Cork |  |
|  3 | Sand |  |
|  4 | Carbon tetra chloride |  |
|  5 | Butter paper |  |

1. What causes the clothes to dry in some time when they are spread outside?
2. If we cover a pan of boiling water with a lid. After sometime we will see water droplets on the lid, Explain.
3. Both mustard oil and carbon tetra chloride are insoluble in water, one of them forms layer above water and other forms below the water when added to water. Specify which one forms the layer above, which one forms the layer below and state the reason for it.
4. Water cycle in nature is the cyclic process of evaporation of water from earth’s surface followed by its condensation, justify.