**Chapter 9**

 **Safe Handling and Storage of Water**

1. The students should carefully observe the methods used for purification of water used in their house and in at least 4 more household near the house and make a list of them.
2. Visit homes of 5 friends and note down the type of containers used for water storage in their house. Draw the containers and also write the material they are made of.
3. There was a house near a open drain which was full of water all the time. The members of that family often suffered from diseases. Name the disease they could be suffering from and the reason for the disease.
4. Make a poster for conservation of water.
5. Geeta went to visit a relative in a village and found that the potable water in village did not come from a tap but came from other sources in the village. Name the possible sources of potable water in the village.
6. Why do we need purify the drinking water?
7. Correct the given statements
8. Dirty and stagnant water does not cause disease.
9. Water should be stored in dirty and open containers.
10. Water which is clean and fit for drinking is called potable water.
11. Boiling does not help in purifying water.
12. Mosquitoes do not spread diseases like malaria and dengue.
13. Filtered water cannot be purified by adding a small amount of chlorine.
14. We should always dip our hands in drinking water.
15. ‘Besides balanced diet, our body needs water for proper functioning’, justify.
16. Complete the given statements
17. \_\_\_\_\_\_\_\_\_ water is clean and fit for drinking.
18. Drinking unclean water may cause diseases like \_\_\_\_\_\_\_ and\_\_\_\_\_\_\_\_\_.
19. Ground water may not be fit for drinking as it often contains \_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_.
20. We can filter water through a clean \_\_\_\_\_\_\_\_\_\_.
21. Filtration removes dust and \_\_\_\_\_\_\_\_\_\_\_\_ particles from water.
22. Dirty and stagnant water is a major cause of \_\_\_\_\_\_\_.
23. When water in room coolers cannot be changed,\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_should be put in it to keep the mosquitoes away.
24. People often store water in \_\_\_\_\_\_\_\_\_.
25. We should never \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in water stored for drinking.
26. Let us ensure that the water, that is meant to help us, does not get \_\_\_\_\_\_\_\_\_\_\_.
27. \_\_\_\_\_\_\_\_\_\_\_\_are extremely small living organisms that can cause disease.
28. We need to take care that water is not allowed to \_\_\_\_\_\_\_\_\_ in broken or old containers around our house.
29. **Complete the given flow chart**

Methods of Purification of Water

 Chlorination

1. What are the different sources of potable water?
2. Why are people advised not to allow water to stagnate?
3. Define the following terms
4. Potable water
5. Filtration
6. Purification
7. How does boiling help in purification of germs?
8. Name the different substances through which unclean water passes before coming out as filtered water in a traditional filter.
9. List at least 3 ways of safe handling and storage of water.
10. How does the water help in spread of diseases like malaria, dengue and chickungunya?
11. What are different types of containers used for storage of water?
12. Which diseases can be caused by drinking unclean water?
13. How is boiling different from filtration?
14. Which is the simplest method used for filtration?

 **Chapter 10**

 **Water Pollution**

1. Visit the place that is city /village and town you are staying in and note down any natural sources of water you have in the area.
2. Make a collage showing four natural sources of water.
3. Visit any water body present near the place you stay and note whether the water body is polluted or not and also state the various ways by which the water body is getting polluted.
4. Make a chart showing the causes of pollution.
5. Write a paragraph on water pollution.
6. Make poster on prevention of water pollution.
7. Geeta visited the river Yamuna last year in the month of November and saw that the colour of water was black and strange odour was coming of the water. State why the colour of water was black and the strange smell was coming from it?
8. Correct the given statements
9. Water that contains impurities is known as potable water.
10. Rain water when just formed is not the purest form of water.
11. As rain water reaches lakes and river it gets pure because sand and mud gets mixed in it.
12. Oil spilled from tankers does not cause water pollution.
13. Industrial and agricultural waste reduces the growth of microorganisms in water.
14. Drinking polluted water does not cause any disease.
15. Wastes from factories and power houses should be allowed to flow in the rivers directly.
16. People should wash clothes and use soap if they bathe in rivers.
17. The use of chemical fertilisers should be increased.
18. How does the rain water that reaches the earth’s surface gets impure?
19. Why do we say water is an important natural resource?
20. Complete the given statements
21. Poisonous chemicals from factories kill\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
22. Oil spills form a \_\_\_\_\_\_\_\_\_ on the surface of water.
23. People \_\_\_\_\_\_\_\_\_\_\_ clothes and bathe in river water.
24. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ and animals get infected by polluted water.
25. Water from drains or sewage should not be allowed to enter into \_\_\_\_\_\_\_\_\_\_or\_\_\_\_\_\_\_\_\_\_\_.
26. When polluted water is used for irrigation, the \_\_\_\_\_\_\_\_\_\_\_\_\_ of the soil gets reduced.
27. \_\_\_\_\_\_\_\_\_\_\_\_\_ is essential for the existence and survival of plants and animals.
28. Rain water gets impure because \_\_\_\_\_\_\_\_\_\_\_\_\_\_in air get dissolved in it.
29. The processes that make water impure, result in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
30. Many human\_\_\_\_\_\_\_\_\_\_\_\_\_\_ also increases the water pollution.
31. What pollutes the sea water?
32. State 4 ways by which we can prevent water pollution.
33. What are the major causes of pollution of river water?
34. How does the oil spill affect the availability of oxygen to animals living under water?
35. What happens when there is increase in growth of microorganisms in water?
36. What happens to organism that feed on animals and plants living in polluted water?
37. Why are farmers advised to use very little chemical fertilisers?
38. We say rain is major source of pure water but still we do not use for drinking, justify.
39. A ship carrying oil sunk in the middle of ocean and oil started leaking from it. State what will happen to the water of the ocean and how will it affect the aquatic life in the ocean?
40. Complete the flow chart

Poisonous chemical from factories kill marine animals

Polluted water when used for irrigation reduces the fertility of soil and can damage the crops

Effects of water pollution