

Chapter 9

Safe Handling and Storage of Water

1. Fill in the blanks

- Our body needs _____ for digestion of food.
- At some places, people use _____ and river water for drinking.
- In the cities, people get drinking water from _____.
- Drinking unclean water can cause _____.
- _____ is the most common method of purifying water.
- _____ removes dust and other suspended particles of water.
- _____ and stagnant water is major source of diseases.
- Mosquitoes spread diseases like malaria and _____.
- We should never dip our _____ in water stored for drinking purpose.

2. Match the following

Column A	Column B
Boiling	Water fit for drinking
Filtration	Jaundice
Chlorination	Removes dust and suspended particles
Potable water	Kills germs in filtered water
Unclean water	Kills germs

3. State whether given statements are true / false

- Clean water cause disease like jaundice, diarrhea.
- Boiling kills the germs present in the water.
- We can filter water through clean thin cloth.
- We should change water in room coolers and flower pots after every 3-4 days.
- Improper storage of purified water is important to keep germs away.

4. Multiple choice questions

A. Potable water is

- Unclean water
- Water fit for drinking
- River water full of germs
- none of the above.

B. Boiling is method of purification of water that

- Separates suspended particle from water
- kills germs in the water
- Chlorine is added to water
- none of the above

C. We should not allow water to stagnant around our house because

- Is breeding place of mosquitoes
- has dust in it
- is not clean water fit for drinking
- none of the above.

D. Which of them is not proper way of storage and safe handling of water?

- Water should be stored in unclean and open container.
- We should never dip our hands in water stored for drinking.

- c) We should use ladle to take out of water in container.
- d) We should not drink water that has been stored for many days.

5. Answer the following questions

- a) Why do we need water for proper functioning of our body?
- b) Even though in some places people use ground water and river water for drinking is not fit, why?
- c) Why do we need to purify water?
- d) How does boiling of filtered water make it fit for drinking?
- e) What is the purpose of adding chlorine to filtered water?
- f) In which type of container we should store drinking water?
- g) State the reasons for not allowing stagnation of water in and around your house.
- h) How did people in olden days people use to filter the water?

6. The student should list the different methods of purification and their purpose.

S. N	Method of Purification	Purpose of the method
1	Boiling	Kills the germ

- 7. Make a poster on conservation of water
- 8. Make a chart showing the different ways related to storage and safe handling of drinking water.
- 9. The student should carefully look around the house and list the different containers used for storage of water.
- 10. Write a small paragraph on why we should not allow stagnation of water in and around the house/ school.

Chapter 10

Water Pollution

1. Fill in the blanks

- Water is a _____ for many plants and animals.
- _____, when just formed is the purest form.
- Washing of clothes and bathing in river also makes it _____.
- Poisonous chemicals from factories kill _____ animals.
- Industrial and agricultural increases the growth of _____.
- _____ form cover on the surface of water.
- _____ are materials used to increase the production of crops.
- Wastes from factories and _____ should not be allowed to flow into rivers directly.

2. Match the following

Column A	Column B
Fertiliser	Water having impurities
Pesticide	Main source of water
Oil spill	Chemical to increase production of crop
Rain water	Chemicals that kills birds, rat etc
Polluted water	Oil layer on surface of water

3. State whether the given statements are true/ false.

- Water is not essential for existence of plants and animals.
- Rain water becomes impure as it reaches the earth.
- The processes which make water impure result in pollution of water.
- Water pollution occurs due to throwing of domestic waste in rivers.
- Poisonous chemicals from factories help marine animals to live.

4. Multiple choice questions

- Water containing impurities is known
 - Polluted water
 - rain water
 - ground water
 - none of the above
- Which of them does not pollute river water?
 - Washing of clothes and bathing in it.
 - Throwing of domestic waste
 - Throwing of solid waste of power plant
 - Not throwing any kind of waste in river.
- What cuts off oxygen supply to the aquatic animals?
 - Oil spills on surface of water.
 - opening of sewage drains in river
 - bathing of people in the river
 - none of the above.
- What can prevent water pollution?

- a) Using polluted water for irrigation
- b) Wastes from factories and power plant should not be allowed to flow in river directly.
- c) oil spills from oil wells and tanks
- d) Poisonous waste from factories are poured into river.

5. Answer the following questions

- a) Name 2 natural source of water.
 - b) How can we say water is important natural resource?
 - c) How does rain water get impure as it reaches the surface of the earth?
 - d) What are different things that make water impure?
 - e) What is polluted water?
 - f) State 4 ways/ activities which are responsible for water pollution.
 - g) How do farmer activities pollute the water?
 - h) Which process cause reduction in the supply of oxygen to the aquatic animals?
 - i) Why some people who drink river and pond get sick?
 - j) State 3 ways by which water pollution can be checked.
6. The student should make a model showing at least 3 activities which are responsible for water pollution.
7. The student should carry out survey of river near their city and list the different ways the river is being polluted and accordingly suggest the ways to prevent the pollution.
8. Make a poster for prevention of water pollution.
9. Write a paragraph on different ways which should be adopted to avoid destruction of aquatic plant and animals in natural water bodies