



CHEMISTRY

BOOKS - ICSE

WATER

Check Your Progress Answer These Questions

1. What is groundwater?



Watch Video Solution

2. What is solution ?



[Watch Video Solution](#)

3. Water is a universal solvent'. Comment



[Watch Video Solution](#)

4. The solubility of most substances in water increases with increase in temperature. True or false?



[Watch Video Solution](#)

5. What per cent of our body is made up of water?



[Watch Video Solution](#)

Exercises Tick The Most Appropriate Answer

1. Which of the following is the purest form of natural water?

A. rainwater

B. sea water

C. well water

D. river water

Answer:



Watch Video Solution

2. Which of the following is not a source of surface water?

A. oceans

B. rivers

C. Wells

D. lakes

Answer:



Watch Video Solution

3. Which of the following is not soluble in water?

A. sugar

B. charcoal

C. salt

D. copper sulphate

Answer:



Watch Video Solution

4. What is a substance in which a solute is dissolved called?

A. water

B. solution

C. solvent

D. none of these

Answer:



Watch Video Solution

5. Which of the following generally increases the solubility of solutes in water?

A. stirring

B. heating

C. both a and b

D. neither a nor b

Answer:



Watch Video Solution

6. Which of the following causes water pollution?

A. sewage

B. insecticides

C. oil spills

D. all of these

Answer:



Watch Video Solution

Exercises Fill In The Blanks

1. Rainwater is formed by _____ of water vapour.



[Watch Video Solution](#)

2. Groundwater comes out of the surface of the earth at some places to form _____



[Watch Video Solution](#)

3. Water is a universal solvent'. Comment



[Watch Video Solution](#)

4. A ____ is a homogeneous mixture of a solute in a solvent.



[Watch Video Solution](#)

5. The use of ____ detergents does not cause water pollution.



[Watch Video Solution](#)

6. Rainwater harvesting is a process of collecting and storing ___ for future use.



Watch Video Solution

Exercise Matching

1. Match the columns

- | | |
|--|-------------------------------|
| 1. A substance that dissolves in a solvent | a. solution |
| 2. A homogeneous mixture of a solute in a solvent | b. solute |
| 3. Organic farming | c. preventing water pollution |
| 4. A solution in which no more solute can dissolve | d. water pollution |
| 5. Oil spills | e. saturated solution |
| | f. unsaturated solution |



Watch Video Solution

Exercises Write True Or False Correct The False Statements

1. Underground water can be used by digging wells and tube wells.



[Watch Video Solution](#)

2. Copper sulphate is soluble in water.



[Watch Video Solution](#)

3. Heating causes a solute to dissolve faster in its solution.



Watch Video Solution

4. About 50 per cent of our body is made up of water.



Watch Video Solution

5. Water is used to generate electricity.



[Watch Video Solution](#)

6. Acid rain pollutes water bodies and harms aquatic life.



[Watch Video Solution](#)

Exercises Define The Following Terms

1. State two sources each of
a surface water b. underground water.





[Watch Video Solution](#)

2. A saturated solution has:



[Watch Video Solution](#)

3. Define Solubility



[Watch Video Solution](#)

4. Define Water pollution





[Watch Video Solution](#)

5. Define Water conservation



[Watch Video Solution](#)

Exercises Answer The Following In Short

1. State two sources each of

a surface water b. underground water.



[Watch Video Solution](#)

2. Differentiate between a soluble substance and an insoluble substance.



Watch Video Solution

3. Copper sulphate dissolves in water to give copper sulphate solution. Name the solute, solvent and solution in the above statement.



Watch Video Solution

4. What is the effect of temperature on the solubility of solutes?



Watch Video Solution

5. What are the uses of water in our everyday life?



Watch Video Solution

6. What are the major causes of water pollution? Explain.



[Watch Video Solution](#)

7. What is rainwater harvesting?



[Watch Video Solution](#)

Exercises Answer The Following In Detail

1. Explain how each of the following factors affects the formation of a solution -

(c) Temperature of the solvent



Watch Video Solution

2. Differentiate between: Unsaturated and saturated solution



Watch Video Solution

3. Describe an experiment to prepare a saturated solution.



[Watch Video Solution](#)

4. 'Water is essential for life'. Explain.



[Watch Video Solution](#)

5. Describe how industrial waste causes water pollution.



[Watch Video Solution](#)

6. List five ways to control water pollution.



[Watch Video Solution](#)

Think And Answer

1. The water available in the earth for our use is scarce. Justify this statement.



[Watch Video Solution](#)

2.is the purest form of natural water.



[Watch Video Solution](#)

3. Water is a universal solvent'. Comment



[Watch Video Solution](#)

4. There is a need for conservation of water.

Why?





[Watch Video Solution](#)

5. We should plant more trees. Do you agree?

Give reason.



[Watch Video Solution](#)

Exercise I

1. Name : Three major sources of natural water



[Watch Video Solution](#)

2. Name : Four sources of surface water .



[Watch Video Solution](#)

3. Name : Two underground sources of water.



[Watch Video Solution](#)

4. List three major impurities present in river water.



 [Watch Video Solution](#)

5. Find the percentage of water in the following

Rice and wheat grains



[Watch Video Solution](#)

6. Find the percentage of water in the following

Eggs



[Watch Video Solution](#)

7. Find the percentage of water in the following

Tomatoes



[Watch Video Solution](#)

8. Find the percentage of water in the following

Bread



[Watch Video Solution](#)

9. Find the percentage of water in the following

Water melon



[Watch Video Solution](#)

10. What are the three states of water ?



[Watch Video Solution](#)

11. Why are ice, water and steam considered to have the same chemical composition ?



Watch Video Solution

12. How is a cloud formed ?



Watch Video Solution

13. What is water cycle ? What is its importance ?



[Watch Video Solution](#)

14. How are the fog formed ?



[Watch Video Solution](#)

15. How are the mist formed ?



[Watch Video Solution](#)

16. How are the dew formed ?



[Watch Video Solution](#)

17. How are the frost formed ?



[Watch Video Solution](#)

Exercise I Answer The Following Questions In Short

1. In which form is water present in the atmosphere ?



[Watch Video Solution](#)

2. Why is rain water considered the purest form of natural water ?



[Watch Video Solution](#)

3. What possible impurities does rain water contain ?



[Watch Video Solution](#)

4. What is water table ?



Watch Video Solution

5. Why is spring water pure enough for drinking but unsuitable for laboratory use?



Watch Video Solution

6. Why the taste of spring water differs at different places ?



[Watch Video Solution](#)

Exercise II

1. Name Two chemicals used to destroy germs present in water.



[Watch Video Solution](#)

2. Name Two diseases which spread through impure water.



Watch Video Solution

3. Name A chemical used for loading.



Watch Video Solution

4. Name Two substances which add taste to water.



Watch Video Solution

5. Name Two household methods to get safe drinking water.



Watch Video Solution

6. Define Sterilisation .



Watch Video Solution

7. Define Sedimentation .



Watch Video Solution

8. Define Loading .



Watch Video Solution

9. Define Aeration .



Watch Video Solution

10. What is potable water ? List four characteristics of potable water.



[Watch Video Solution](#)

11. Why is water important for plants and animals?



[Watch Video Solution](#)

12. What are the three methods of removing germs from natural water? Explain.



[Watch Video Solution](#)

13. Name the steps involved in the purification of drinking water supplied in cities and towns.



Watch Video Solution

14. What is the taste of distilled water? Why is it not potable ?



Watch Video Solution

15. Give reasons : Ice floats on water.





[Watch Video Solution](#)

16. Give reasons : Marine life is able to survive in colder regions.



[Watch Video Solution](#)

17. Give reasons : Water droplets can be seen outside a chilled water bottle.



[Watch Video Solution](#)

Exercise II Answer In Brief

1. Why is river water unfit for drinking?



[Watch Video Solution](#)

2. Why is tap water a mixture ?



[Watch Video Solution](#)

3. What is mineral water ?





[Watch Video Solution](#)

4. What is the purpose of adding bleaching powder to water supplied to the town?



[Watch Video Solution](#)

5. How is chemically pure water obtained in the laboratory?



[Watch Video Solution](#)

6. How is water in a swimming pool kept free from germs ?



[Watch Video Solution](#)

Exercise Iii

1. Why is water called the universal solvent?



[Watch Video Solution](#)

2. Define Solute.



Watch Video Solution

3. Define Solvent



Watch Video Solution

4. Define Solution



Watch Video Solution

5. Define Saturated solution



Watch Video Solution

6. Differentiate between: Unsaturated and saturated solution



Watch Video Solution

7. State two factors by which solubility of a solute in a solvent can be increased.



Watch Video Solution

8. Why do aquatic animals die in boiled water ?



Watch Video Solution

9. Identify solute and solvent in the following solution : Salt and water



Watch Video Solution

10. Identify solute and solvent in the following solution : Iodine and alcohol





[Watch Video Solution](#)

11. Identify solute and solvent in the following solution : Air and water



[Watch Video Solution](#)

Exercise Iv

1. Water can be conserved by



[Watch Video Solution](#)

2. Explain harvesting of water.



[Watch Video Solution](#)

3. What are the three main causes of water pollution ?



[Watch Video Solution](#)

4. State the main steps to be taken to prevent water pollution.



Watch Video Solution

5. What are the causes of floods and drought ?



Watch Video Solution

6. State some of the ways in which you as an individual can conserve water.



Watch Video Solution

Objective Type Questions Fill In The Blanks

1. Water is a solvent.



[Watch Video Solution](#)

2.is the purest form of natural water.



[Watch Video Solution](#)

3. Sand and dust are impurities in water.





[Watch Video Solution](#)

4. Sea water has high concentration of

.....



[Watch Video Solution](#)

5. Water covers nearly.....% of earth.



[Watch Video Solution](#)

6. Evaporation of rain water leaves residue.



[Watch Video Solution](#)

7. is the chemical added to water to remove the tiny suspended particles.



[Watch Video Solution](#)

8. is a uniform mixture of a solute and a solvent.



[Watch Video Solution](#)

9. Ice, water and steam have different physical states but are chemically



[Watch Video Solution](#)

10. Boiling kills most of the in water.



[Watch Video Solution](#)

11. The elements present in the molecules of water are and



[Watch Video Solution](#)

Objective Type Questions Write True Or False For The Following Statements

1. Water is an element.



[Watch Video Solution](#)

2. Tap water does not contain dissolved impurities.



[Watch Video Solution](#)

3. Why is alum added to water containing suspended impurities ?



[Watch Video Solution](#)

4. Distillation process is used for purification of:



[Watch Video Solution](#)

Objective Type Questions Multiple Choice Questions

1. Water content in human body is

A. 70 %

B. 75 %

C. 80 %

D. 90 %

Answer:



Watch Video Solution

2. The purest form of natural water is

A. sea water

B. river water

C. rain water

D. lake water

Answer:



Watch Video Solution

3. When the water vapour changes into tiny droplets of water near the ground, it is called

A. mist

B. dew

C. fog

D. frost

Answer:



Watch Video Solution

4. Water is a

A. compound

B. element

C. mixture

D. none of the above

Answer:



Watch Video Solution

5. Common salt is obtained from sea water by

- A. distillation
- B. crystallisation
- C. evaporation
- D. sublimation

Answer:



[Watch Video Solution](#)

6. Jaundice affects

A. heart

B. lungs

C. liver

D. kidney

Answer:



[Watch Video Solution](#)

7. Chlorination of water is done

- A. to kill the germs
- B. to remove the suspended impurity
- C. to remove the dissolved impurities
- D. none of the above.

Answer:



Watch Video Solution