



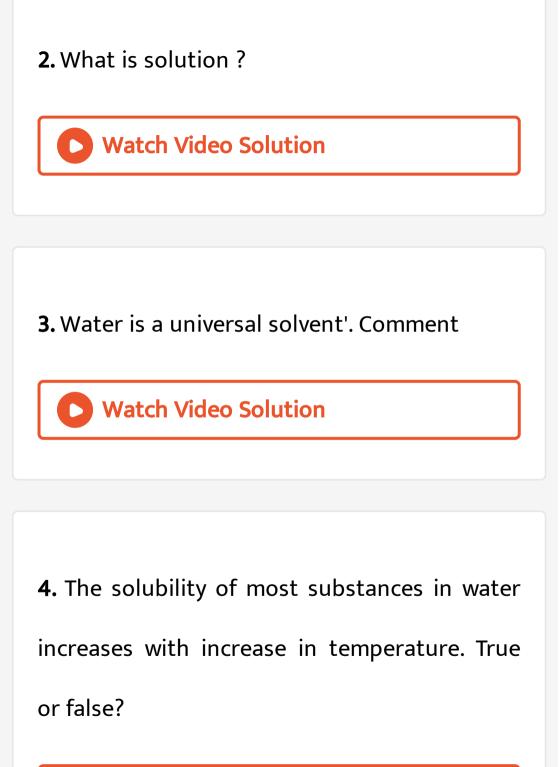
CHEMISTRY

BOOKS - ICSE

WATER

Check Your Progress Answer These Questions

1. What is groundwater?





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

water?

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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:

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2. Which of the following is not a source of

surface water?

A. oceans

B. rivers

C. Wells

D. lakes

Answer:



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

A. sugar

B. charcoal

C. salt

D. copper sulphate

Answer:

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4. What is a substance in which a solute is

dissolved called?

A. water

B. solution

C. solvent

D. none of these

Answer:

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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:

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6. Which of the following causes water pollution?

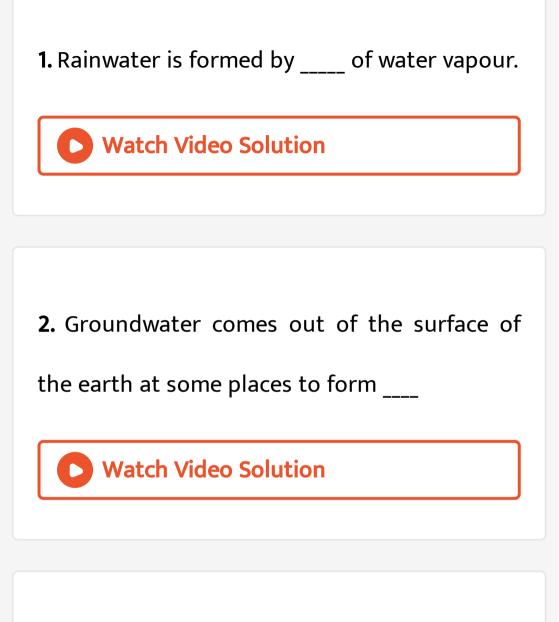
A. sewage

- B. insecticides
- C. oil spills
- D. all of these

Answer:

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Exercises Fill In The Blanks



3. Water is a universal solvent'. Comment

4. A _____ is a homogeneous mixture of a solute

in a solvent.



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

6. Rainwater harvesting is a process of

collecting and storing ____ for future use.

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Exercise Matching

1. Match the columns

- 1. A substance that dissolves in a solvent
- 2. A homogeneous mixture of a solute in a solvent
- 3. Organic farming
- 4. A solution in which no more solute can dissolve
- 5. Oil spills

- a. solution
- b. solute
- preventing water pollution
- d. water pollution
- e. saturated solution
- r. unsaturated solution

Exercises Write True Or False Correct The False Statements

1. Underground water can be used by digging

wells and tube wells.

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2. Copper sulphate is soluble in water.

3. Heating causes a solute to dissolve faster in

its solution.

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

water.



5. Water is used to generate electricity.



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

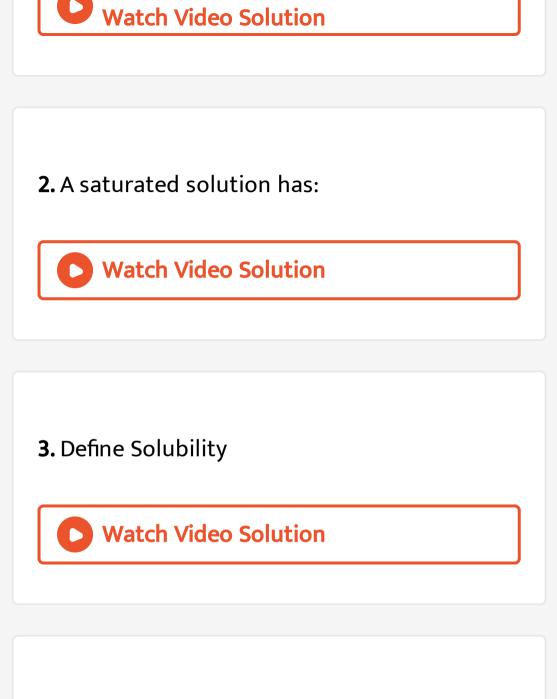
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Exercises Define The Following Terms

1. State two sources each of

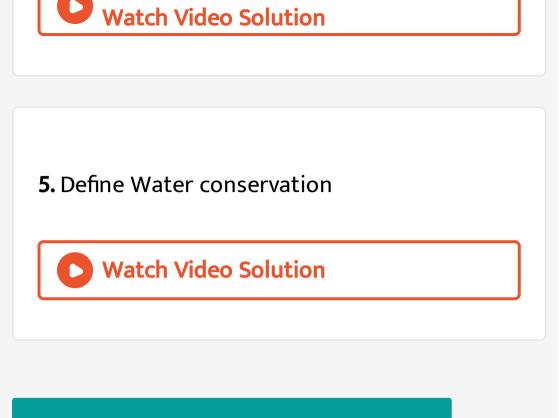
a surface water b. underground water.





4. Define Water pollution





Exercises Answer The Following In Short

1. State two sources each of

a surface water b. underground water.

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

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

4. What is the effect of temperature on the

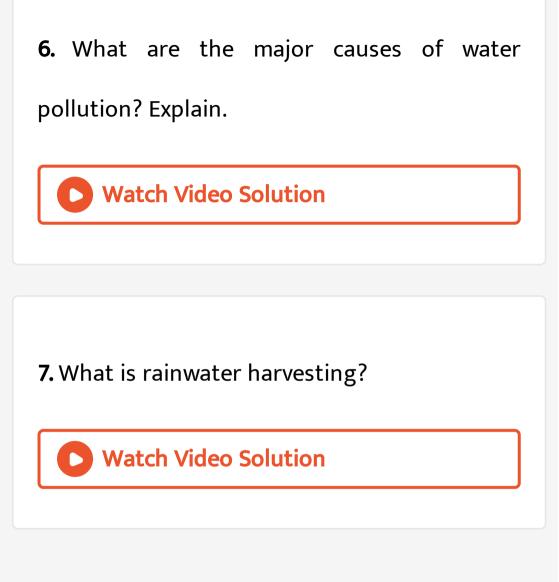
solubility of solutes?

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5. What are the uses of water in our everyday

life?





Exercises Answer The Following In Detail

1. Explain how each of the following factors

affects the formation of a solution -

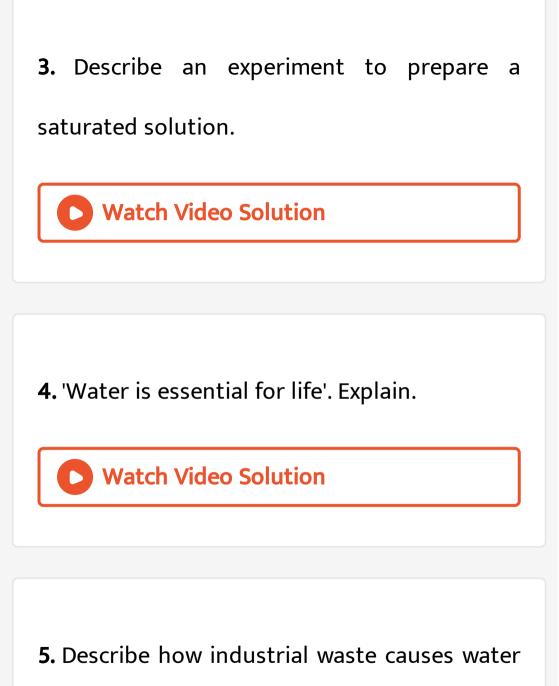
(c) Temperature of the solvent



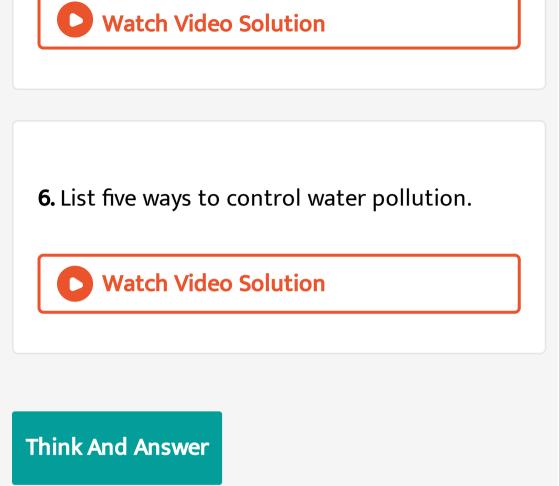
2. Differentiate between: Unsaturated and

saturated solution



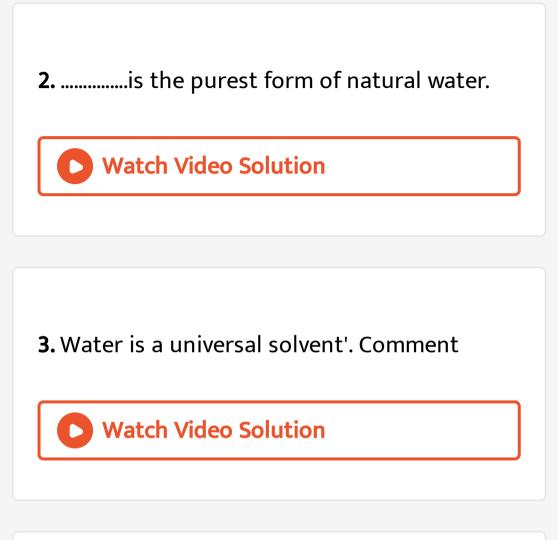


pollution.



1. The water available in the earth for our use

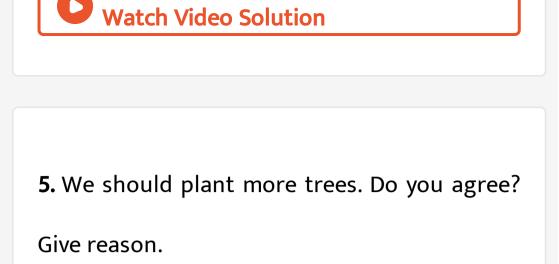
is scarce. Justify this statement.



4. There is a need for conservation of water.

Why?









1. Name : Three major sources of natural water

2. Name : Four sources of surface water .



3. Name : Two underground sources of water.



4. List three major impurities present in river

water.





5. Find the percentage of water in the

following

Rice and wheat grains

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6. Find the percentage of water in the following

Eggs

7. Find the percentage of water in the following

Tomatoes

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8. Find the percentage of water in the following

Bread

9. Find the percentage of water in the following

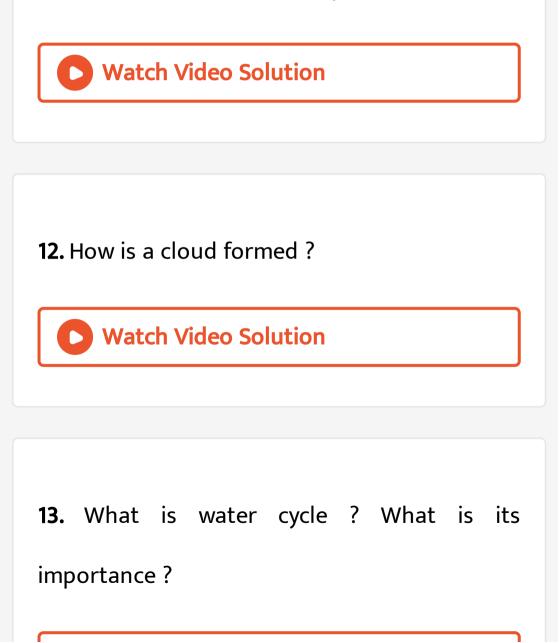
Water melon

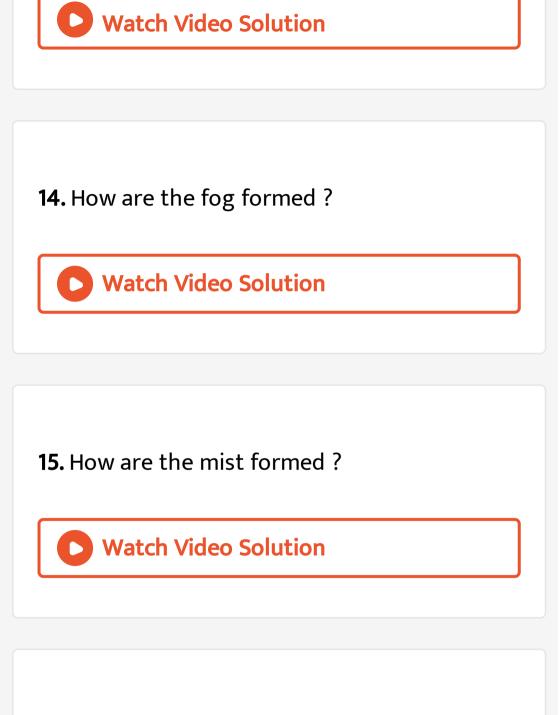
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10. What are the three states of water ?

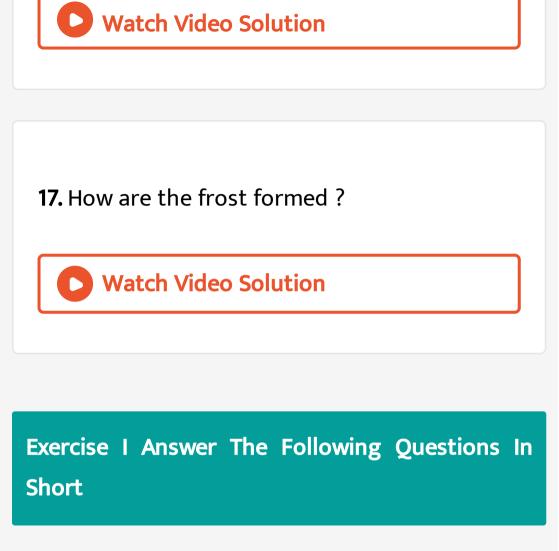
11. Why are ice, water and steam considered to

have the same chemical composition ?





16. How are the dew formed ?



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





2. Why is rain water considered the purest

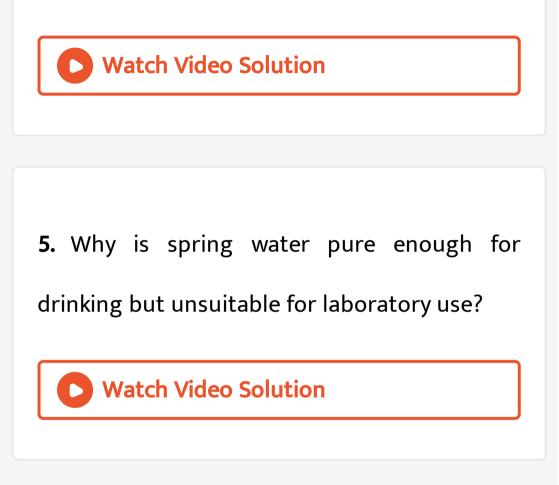
form of natural water ?

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3. What possible impurities does rain water

contain ?





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





1. Name Two chemicals used to destroy germs

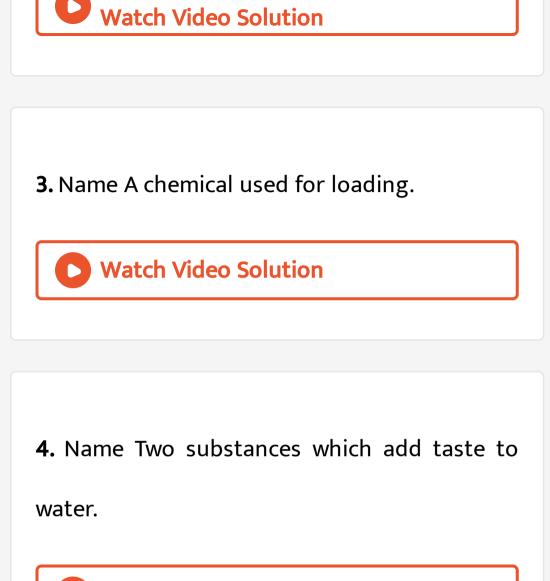
present in water.



2. Name Two diseases which spread through

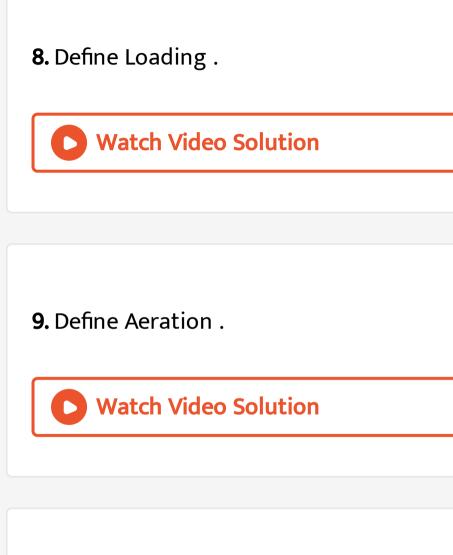
impure water.



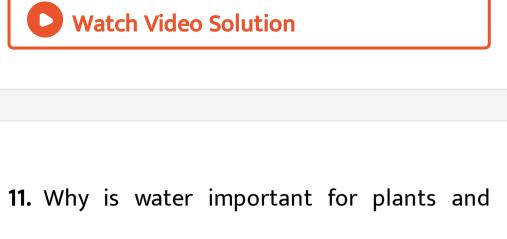


5. Name Two household methods to get safe drinking water. Watch Video Solution 6. Define Sterilisation. Watch Video Solution

7. Define Sedimentation .



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



animals?

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12. What are the three methods of removing

germs from natural water? Explain.



13. Name the steps involved in the purification

of drinking water supplied in cities and towns.



14. What is the taste of distilled water? Why is

it not potable ?

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15. Give reasons : Ice floats on water.





16. Give reasons : Marine life is able to survive

in colder regions.



17. Give reasons : Water droplets can be seen

outside a chilled water bottle.

1. Why is river water unfit for drinking?

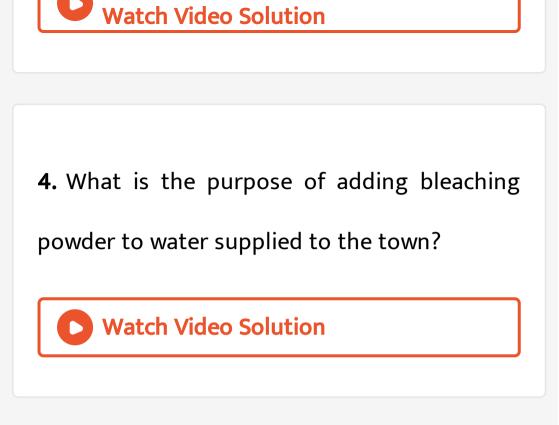
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2. Why is tap water a mixture ?

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3. What is mineral water ?





5. How is chemically pure water obtained in

the laboratory?

6. How is water in a swimming pool kept free

from germs ?

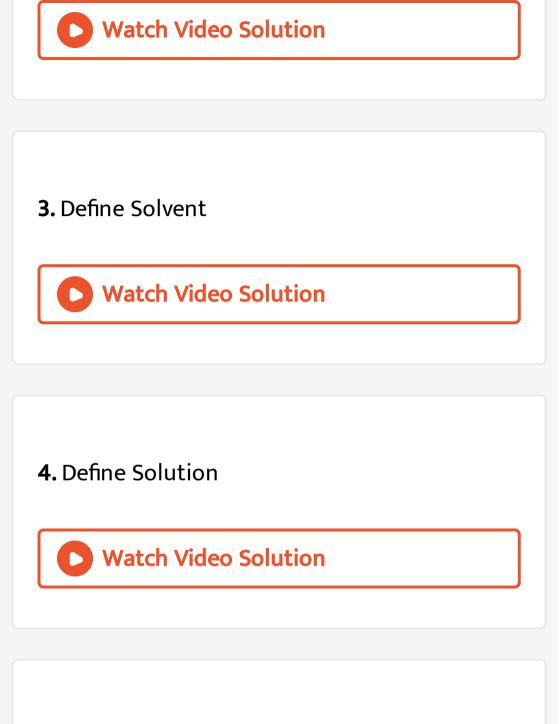




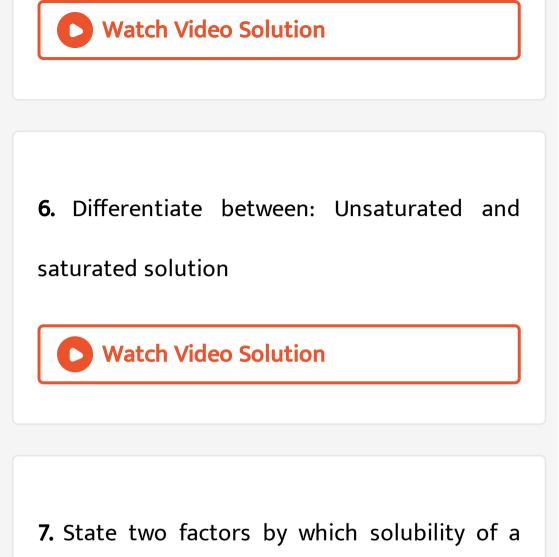
1. Why is water called the universal solvent?

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2. Define Solute.

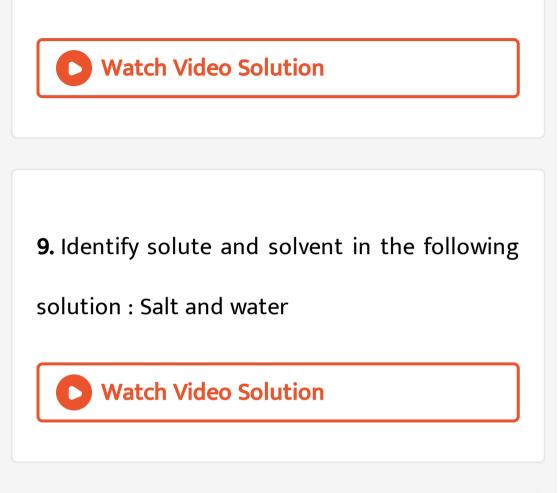


5. Define Saturated solution



solute in a solvent can be increased.

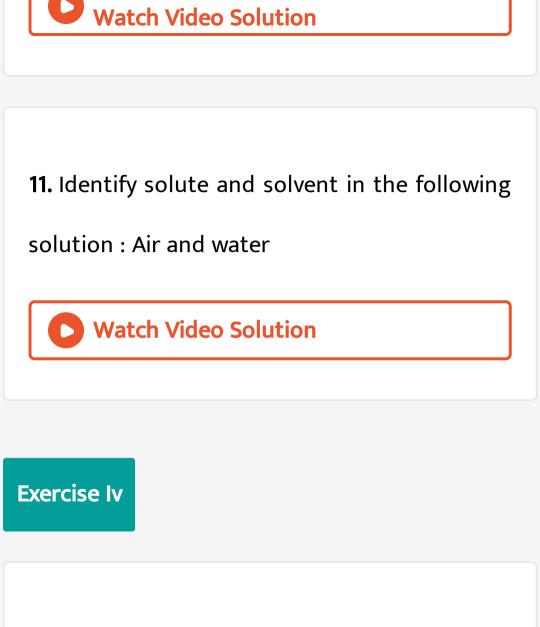
8. Why do aquatic animals die in boiled water ?



10. Identify solute and solvent in the following

solution : Iodine and alcohol





1. Water can be conserved by



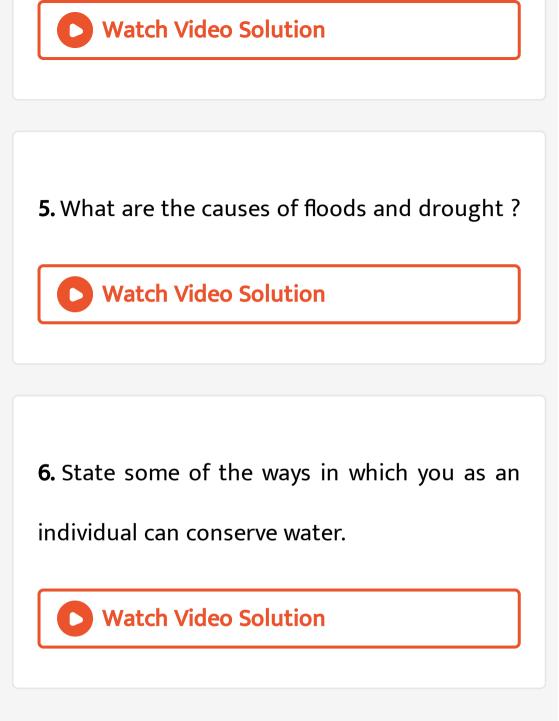


3. What are the three main causes of water pollution ?

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4. State the main steps to be taken to prevent

water pollution.



1. Water is a solvent.

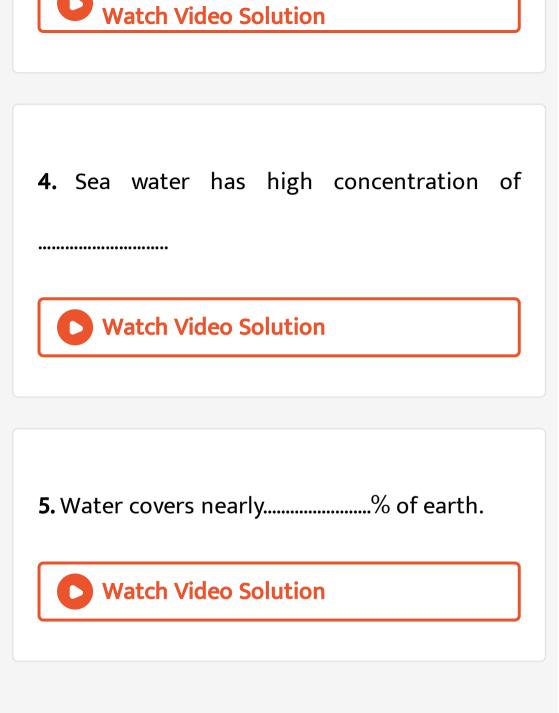
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2.is the purest form of natural water.

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3. Sand and dust are impurities in water.





6. Evaporation of rain water leaves residue.

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7. is the chemical added to water to

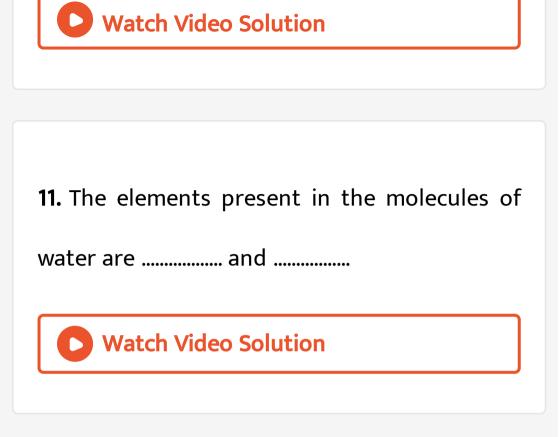
remove the tiny suspended particles.



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

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10. Boiling kills most of the in water.



Objective Type Questions Write True Or False For The Following Statements

1. Water is an element.





2. Tap water does not contain dissolved

impurities.

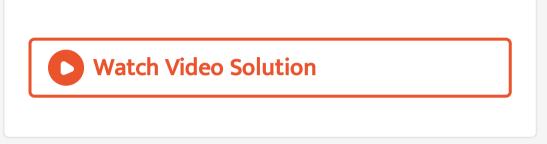


3. Why is alum added to water containing

suspended impurities ?

4. Distillation process is used for purification

of:





1. Water content in human body is

A. 70~%

B. 75 %

 $\mathsf{C}.\,80~\%$

D. 90~%

Answer:



2. The purest form of natural water is

A. sea water

B. river water

C. rain water

D. lake water

Answer:

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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:

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4. Water is a

A. compound

B. element

C. mixture

D. none of the above





5. Common salt is obtained from sea water by

A. distillation

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





6. Jaundice affects

A. heart

B. lungs

C. liver

D. kidney

Answer:



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: