

IS METAL AROUND US PURE (IX)

1. State one difference between a gas and a vapour.
2. A suspension is obtained on dissolving chalk powder in water. Give any four reasons to support the fact that mixture thus obtained is suspension only.
3. Give reason:-
 - (a) Wearing of cotton clothes in summer is more comfortable
 - (b) The water kept in an earthen pot becomes cool in summer.
4. If food is being cooked in the kitchen, name the process which brings smell.
5. Define latent heat of vaporization. Explain why particles in steam have more energy than water at 100°C .
6. Give any two points of difference between solutions, suspension and colloid.
7. Define sublimation and sedimentation.
8. You are provided with a mixture of ammonium chloride, common salt, sand and iron filings. Which of these substances can be separated by sublimation and which by sedimentation?
9. Can salt be separated by sedimentation? Justify your answer.
10. State two reasons to justify that air is a mixture and water is a compound.
11. Write two points of difference between simple distillation and fractional distillation. Write an example where fractional distillation is used.
12. Change the normal room temperature 298K to the Celsius scale. Also find the temperature in K of 50°C .
13. Write an activity to show that rate of evaporation increases with increase in surface area.