



CHEMISTRY

CLASS-IX

IS MATTER AROUND US PURE

- 1) Differentiating between Homogenous mixture and Heterogenous mixture.
- 2) What do you mean by Tyndall Effect? Compare between true solution, suspension and colloids in terms of Tyndall effect
- 3) How can you separate a mixture of oil and water? Explain the process with a diagram.
- 4) Mention the properties of Colloids.
- 5) Explain how can we separate a mixture of salt, sand and ammonium chloride with a diagram.
- 6) Calculate the concentration of the solution if 20g of common salt dissolves in 80g of water.
- 7) Calculate the masses of cane sugar and water required to prepare 250g of 25% solution of cane sugar.
- 8) What do you mean by solubility of a solute. If 4g of a solute dissolved in 40g of water to form a saturated solution at 25°C.
- 9) What do you mean by Centrifugation? Mention any of its application in our daily life.
- 10) Explain how can we separate a mixture of ammonium Chloride, sand and iron fillings.
- 11) Write a short note on distillation.
- 12) Explain how can you separate a mixture of acetone and ethyl alcohol with a diagram. Mention the process involved and define it.
- 13) What is Crystallisation? why is it better than Evaporation.
- 14) How will you separate a mixture of Iodine and Sand? Explain.
- 15) Differentiate between Compounds and Mixtures.



- 16) What do you mean by Saturated Solution. Give an Example.
- 17) Explain with an example how can we make a saturated solution unsaturated.
- 18) A solution has been prepared by dissolving 5g of Urea in 95g of water. What is the mass percent of Urea?
- 19) What do you mean by Chromatography? Give an example
- 20) Which type of mixture can be separated by the technique known as crystallisation.
- 21) Mention any two types of Colloids and mention the dispersed phase and the dispersed medium.
- 22) Explain the technique to separate the coloured components of a mixture.
- 23) Give an example of Solid- Solid colloids.
- 24) What do you mean by Sublimation. Name some substances that can be separated by thi process.
- 25) How can we separate a mixture of Sand, Sugar and Salt. Explain with the various process involved.

