

Is Matter Around Us Pure

1. Differentiate solution, suspension and colloid.
2. What is a saturated solution? What happens to saturated solution of a substance in water upon heating? Which substance acts as solvent in tincture of iodine?
3. Define Tyndall effect. Why a colloid show Tyndall effect but not solution?
4. Define solubility. Calculate the mass of sodium sulphate required to prepare its 20% solution in 100 gram of water.
5. Define homogeneous and heterogeneous solution. Give an example of each of the following (a) solid solid homogenous mixture (b) solid liquid heterogeneous mixture (c) liquid liquid heterogeneous mixture.
6. 6 g of sodium hydroxide is dissolved in hundred gram of water. calculate the mass percent of sodium hydroxide in this solution.