**Karan Arora**  **R.L. Institute M: 9416974837**

**Max Time : 1 hr** **Class = 9th Science Test Max Marks : 20**

**IS MATTER AROUNS US PURE**

1. What is meant by a pure substance? [ 1 ]
2. What is mass percent of a solution ? [ 1 ]
3. Name two elements which exist in liquid state at room temperature. [ 1 ]
4. Differentiate between homogeneous and heterogeneous mixture. [ 2 ]
5. 2.5 g of solute dissolved in 25 g of water to form saturated solution at 298 K. Find out the solubility of the solute at this temperature. [ 2 ]
6. Explain why particles of colloidal solution do not settle down when left undisturbed, while in case of a suspension they do. [ 2 ]
7. Write two distinguish between Physical change and chemical change. [ 2 ]
8. Calculate the masses of sugar and water required to prepare 200 g of 15 % mass by mass solution sugar in water. [ 3 ]
9. Comparison the physical properties of metals and non-metals. [ 3 ]
10. Write four points to distinguish between true solution , colloidal solution and suspension. [ 3 ]

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