

## Chemistry (New Book) - 9th Class Chemistry English Medium Chapter 1 Preparation

Q1. Differentiate between Saturated Solution and Unsaturated Solution

**Ans 1:** Saturated Solution :

The solution in which larger amount of solute dissolve in large amount of a solute at a particular temperature.  
36 g of sodium chloride in 100 g water at 20 oC is saturated solution.

Unsaturated Solution :

The solution in whihc larger amount of solute dissolve at a particular temperature.  
30 g of sodium chloride in 100 g water at 20 oC in unsaturated solution.

Q2. Differentiate between colloidal solution and suspension.

**Ans 1:** Colloid:

In this solutin the particles of solute do not homogenize with solvent 0  
Starch protein is the example  
In filtration the particles are being filtered with no consider

Suspension :

In suspension the particles do not dissolve with solven  
Mixture of chalk in water in the example  
In filtration the particles are bign separate and being reside.

Q3. What types of problems are solved in analytical chemistry.

**Ans 1:** Problem solved in analytical chemistry: It involves separation , identifaciton and determination of concentratio of material things.

Q4. Why are supervritical fluids important.

**Ans 1:** Supercritical fluids are important because chemical reactions which may not be carried out in convential solvents, may possibly be carried out in supercritical carbon dioxide.