

# Chemistry Revision (Questions) - IX GIS

## Ch.1 and 2

1. Differentiate between the following: a) true solution, colloids, suspension b) homogeneous and heterogeneous mixtures c) physical and chemical change d) evaporation and boiling . Give two examples for each.
2. Mention the separation techniques of the following mixtures and the principle :  
a) pure common salt from sea water. b) colours in a dye. c) oil and water. d) petrol and diesel.  
e) ammonium chloride and common salt. f) cream from milk. g) different gases from air.
3. Write the characteristics of particles of matter.
4. Define melting point, boiling point, latent heat of fusion, latent heat of vaporization, diffusion.
5. When a solid melts (or a liquid boils), its temperature remains the same, so where does the heat energy go? Explain.
6. a) Write the temperature in Celsius and Kelvin for the boiling point of water and melting point of ice. b) What happens to the boiling point of water and the melting point of ice if the water contains impurities?
7. Draw a labelled figure showing the interconversion of the three states of matter.
8. Name the process used to separate the components of colloids . What term is used to denote the components of colloids.