

## Exercise - II

1. Define :

- (a) Filtration
- (b) Sublimation
- (c) Evaporation
- (d) Crystallisation
- (e) Miscible liquids
- (f) Immiscible liquids

A-(a) Filtration: The process of separating solid particles from liquid by allowing it to pass through a filter paper is called filtration.

(b) Sublimation: The process in which a solid changes directly into its vapour on heating is called sublimation.

(c) Evaporation: Is the process of converting a liquid into its vapour state either by exposing it to air by heating.

(d) Crystallisation: ~~Evaporation~~ \_\_\_\_\_

Evaporation of liquid from a homogeneous liquid-solid mixture and collecting solid in the form of crystals is called crystallisation.

(e) Miscible liquids : Homogeneous liquid-liquid mixtures are called miscible liquids.

(f) Immiscible liquids : Heterogeneous liquid-liquid mixtures are called immiscible liquids.

2. Why do we need pure substance?

A- We need pure substance because of the following reasons:

- A pure substance has a fixed melting and fixed boiling point.
- A pure substance has its characteristic taste, colour and odour.
- Pure substance can not be broken further into more simple substances by any physical means.