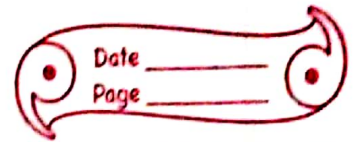


Homework

ch-5

Pure Substances and mixtures



Exercise II

1. Define:

a) **Filteration**: The process of separating insoluble solid particles from a liquid by allowing it to pass through a filter is called filteration.

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

c) **Evaporation**: The process of converting a liquid into its vapour state, either by exposing it to air or by heating is called evaporation.

d) **Crystallisation**: ~~Long~~ Crystallisation is a process of obtaining crystals from a solution containing more solute than it can hold at a room temperature.

2. Why do we need pure substances?

- Ans. We need pure substances for the following reasons:
- A pure substance has a fixed melting and boiling point.
 - A pure substance has its characteristic, taste, colour and odour.
 - A pure substance cannot be broken further into more simpler substances by any physical means.
 - They have the potential to form predictable products from chemical reactions.