

## Chapter- 5

# PURE SUBSTANCES & MIXTURES; SEPARATION OF MIXTURES

## WORKSHEET

Choose the correct option in the following questions –

1. Butter is separated from milk by-
  - a) Sedimentation
  - b) Filtration
  - c)  Churning
  - d) Decantation
2. Filtration is a method to separate the components of a
  - a) Solution
  - b)  Mixture
  - c) Both (a) and (b)
  - d) Pure substance
3. Threshing is done by
  - a) Beating
  - b) Bullocks
  - c)  Machines
  - d) All of these
4. Which methods are used to separate pebbles and stones from sand?
  - a) Handpicking
  - b) Winnowing
  - c)  Sieving
  - d) All of these
5. The components of a solution (say sugar in water) can be separated by
  - a) Filtration
  - b)  Evaporation
  - c) Sedimentation
  - d) Decantation

6. Sand from water is separated by
- Sieving
  - Evaporation
  - Filtration
  - Sedimentation and Decantation
7. The process of conversion of water vapours into liquid is called
- Condensation
  - Decantation
  - Sedimentation
  - Evaporation
8. The process of conversion of water into its vapours is called
- Evaporation
  - Condensation
  - Guttation
  - Transpiration
9. A mixture of ammonium chloride and is separated by
- Evaporation
  - Decantation
  - Sublimation
  - Filtration
10. The property which forms the basis of sieving
- Difference in weight
  - Difference in colour
  - Difference in shape

**Answer the following questions-**

- Name the process of separating two immiscible liquids. *Decantation*
- Which substance is used for loading? *Alum*
- Which types of mixtures are separated by evaporation? *homogeneous mixture*
- Why is water a universal solvent? *because it is capable of dissolving more substance than any other liquid*
- What is the effect of temperature on solubility? *Increases on increasing the temperature*
- Name the property of the components used for separating the following mixtures:

[Separation of substances Science

- i) Salt and camphor Sublimation
- ii) Wheat and husk winnowing
- iii) Iron fillings and saw dust magnet
- iv) Coconut oil and water Decantation

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