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

a) Sieving

b) Evaporation

c) Filtration

d) Sedimentation and Decantation

7. The process of conversion of water vapours into liquid is called

a) Condensation

b) Decantation

c) Sedimentation

d) Evaporation

8. The process of conversion of water into its vapours is called

a) Evaporation

b) Condensation

c) Guttation

d) Transpiration

9. A mixture of ammonium chloride and is separated by

a) Evaporation

b) Decantation

c) Sublimation

d) Filtration

10. The property which forms the basis of sieving

a) Difference in weight

b) Difference in colour

c) Difference in shape

Answer the following questions-

1. Name the process of separating two immiscible liquids.
2. Which substance is used for loading?
3. Which types of mixtures are separated by evaporation?
4. Why is water a universal solvent?
5. What is the effect of temperature on solubility?
6. Name the property of the components used for separating the following mixtures:

i) Salt and camphor

ii) Wheat and husk

iii) Iron fillings and saw dust

iv) Coconut oil and water