

## Chapter-3

### Worksheet-2

Q. 1: \_\_\_\_\_ method is used for separating fine insoluble solid particles from the liquid.

- (a) Filtration
- (b) Sedimentation
- (c) Decantation
- (d) Precipitation

Q. 2: The process of conversion of water into vapour is called \_\_\_\_\_.

- (a) Evaporation
- (b) Sedimentation
- (c) Decantation
- (d) Precipitation

Q. 3: The saturation point of a solvent depends on:

- (a) The temperature of the solvent
- (b) The pressure of the solvent
- (c) The nature of the solvent and solute
- (d) All of these

Q. 4: When more solid can be dissolved in the given solution, it is called \_\_\_\_\_.

- (a) An unsaturated solution
- (b) Saturated solution
- (c) Solvent
- (d) None of these.

Q. 5: A mixture of salt, sand, oil and water is given, which of these sequence can be used to separate salt

- (a) Decantation -> Filtration -> Evaporation
- (b) Filtration -> Evaporation -> Condensation
- (c) Filtration -> boiling ->Decantation
- (d) None of the above

Q. 6: Match the following items given in Column A with that in Column B:

Column A	Column B
(a) Handpicking	(i) Conversion of water vapours into liquids
(b) Threshing	(ii) Separating bran from flour
(c) Winnowing	(iii) Separating larger size impurities
(d) Sieving	(iv) Separating butter from milk
(e) Sedimentation	(v) Conversion of water into Us vapours
(f) Evaporation	(vi) Separating grains from its stalks
(g) Condensation	(vii) Settling of heavier components at bottom
(h) Churning	(viii) Separation by wind or by blowing air

Q. 7. Fill in the blanks with appropriate words:

1. Peanuts are separated from a mixture of wheat and peanut by .....
2. .... is used to separate husk from wheat.
3. Fine sand can be separated from larger particles by .....
4. Glass is a .....
5. Compounds have ..... Melting points.

Q. 8. State whether the statements given below are: True or False:

1. Butter is separated from butter milk by churning.
2. Separation of components of a mixture is a useful process.
3. Ink loses its properties when mixed in water.
4. 'Sharbat' is a mixture of sugar and water.
5. Rocks are pure substances.

Q. 9. Butter is separated from milk by

- (a) Sedimentation
- (b) Filtration
- (c) Churning
- (d) Decantation

Q. 10. Filtration is a method to separate the components of a

- (a) Solution
- (b) Mixture of a liquid and an insoluble substance
- (c) Both (a) and (b)
- (d) Pure substance

Q. 11. What do you mean by solubility?

Q. 12. Why is water a universal solvent?

Q. 13. What is the effect of temperature on solubility?

Q. 14. What is sieving? Where is it used?

Q. 15. What is winnowing? Where is it used?

Q. 16. Why do we need to separate different components of a mixture?  
Give two examples.

Q. 17. What is mixture?

Q. 18. Write various methods of separation of components from their mixture.

Q. 19. What is evaporation?

Q. 20. What is decantation?

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