

Class: IX	Topic-Is matter around us pure Date-01/11/2021 Work sheet
Sub - Chemistry	

1.The process used to separate oil and water is:

- a)Distillation
- b)Sublimation
- c)Separating funnel
- d)chromatography

2.A mixture of common salt, sulphur, sand and iron filings is shaken with carbon disulphide and filtered through a filter paper. The filtrate is evaporated to dryness in a china dish. What will be left in the dish after evaporation?

- a)Sand
- b)Sulphur
- c)Iron filings
- d)Common salt

3.Camphor can be purified by:

- a)Distillation
- b)Filtration
- c)Sedimentation
- d)Sublimation

4.A mixture of ethanol and water can be separated by:

- a)Filtration
- b)Decantation
- c)Fractional distillation
- d)Sublimation

5. Salt can be obtained from sea water by:

- a)Filtration
- b)Decantation
- c)Evaporation
- d)Sublimation

6. Magnetism is most beneficial for separating:

- a)Gases and non- metallic liquids
- b)Magnetic solids and solids such as sulphur
- c)Non- metallic solids and solids such as sulphur
- d)Non- magnetic solids from non- magnetic liquids

7.Distillation is a good separation technique for:

- a)Solids
- b)Liquids
- c)Solid alloys
- d)Gases

8. One common method used to separate dyes is:

- a) Filtration
- b) Distillation
- c) Chromatography
- d) Conductivity

9. Mixture of sand and sulphur may best be separated by:

- a) Fractional crystallization from aqueous solution
- b) Magnetic method
- c) Fractional distillation
- d) Dissolving in CS_2 and filtering

10. The sequence of steps for the separation of mixture of salt, camphor and sand is-

- a) sublimation, adding water, filtration, evaporation
- b) adding water, sublimation, filtration, evaporation
- c) sublimation, adding water, evaporation, filtration
- d) adding water, filtration, evaporation, sublimation,

11. Which of the following is the correct set of apparatus for the fractional distillation?

- a) Round bottomed flask, thermometer, fractional column, water condenser, conical flask
- b) Round bottomed flask, fractional column, water condenser, beaker
- c) Round bottomed flask, thermometer, water condenser, conical flask
- d) Round bottomed flask, thermometer, fractional column, air condenser, conical flask

12. Which of the following apparatus is not used in the assembly for simple distillation process?

- a) Distillation flask
- b) Water condenser
- c) Fractional column
- d) Thermometer

13. The separation of two immiscible liquids by a separating funnel depends upon

- a) The difference in their colours
- b) The difference in their melting point
- c) The difference in their boiling point
- d) The difference in their densities

14. In fractional distillation, what is the purpose of the beads packed in the column?

- a) Beads provide larger surface for heating
- b) beads restrict the path of moving vapours
- c) Beads provide larger surface for vapours to cool and condense repeatedly.
- d) More liquid is distilled when beads are used in the column.

15. The components of crude petroleum get separated at different heights depending upon their _____ in fractional distillation column.

- a) melting point

- b) density
- c) boiling point
- d) colour