

## UNSOLVED QUESTION

Tick (✓) the most appropriate answer.

- The constituents of a mixture are present in :  
(a) a fixed ratio      (b) any ratio      (c) the ratio of 4 : 1      (d) none of the above
- Pure water is obtained from sea water by the process of  
(a) filtration      (b) distillation      (c) centrifugation      (d) decantation
- Small particles of sand in river water are removed by the process of  
(a) decantation      (b) evaporation      (c) filtration      (d) crystallisation
- A mixture of clay in water is an example of a/an  
(a) heterogeneous mixture      (b) homogeneous mixture  
(c) emulsion      (d) none of these
- When a mixture is formed  
(a) a physical change takes place  
(b) a chemical change takes place  
(c) both physical and chemical changes take place  
(d) none of the above
- During distillation, the pure liquid collected is called  
(a) sublimate      (b) distillate      (c) filtrate      (d) none of the above
- Dry common salt can be obtained from its solution, by the process of  
(a) decantation      (b) winnowing      (c) evaporation      (d) centrifugation
- Elements are  
(a) mixtures      (b) pure substances      (c) liquids      (d) none of the above
- Solutions are  
(a) heterogeneous mixtures      (b) homogeneous mixtures  
(c) compounds      (d) elements
- In a solution, the molecules of the dissolved solid are called  
(a) solvent      (b) solute      (c) filtrate      (d) sediment
- The method of separating components of a given mixture depends upon  
(a) properties of the components      (b) shape of the components  
(c) state of the components      (d) none of the above
- Fractional distillation is used to separate  
(a) solids from solids      (b) solids from liquids  
(c) liquids from liquids      (d) none of the above

13. Which of the following is a heterogeneous mixture?  
(a) A salt-pepper mixture                      (b) A fizzy drink  
(c) A salt solution                                (d) Air
14. Which of the following is an alloy?  
(a) Iron                      (b) Gold                      (c) Steel                      (d) Copper
15. Which of the following methods would you use for separating pulse seeds from rice?  
(a) Filtration                      (b) Sublimation                      (c) Distillation                      (d) Handpicking