

1. Fill in the blanks :

- (a) The substances that make a mixture are called its constituents or components.
- (b) Filtration is a process to separate solids dissolved in liquids.
- (c) Mist is a heterogeneous mixture of droplets of water and air.
- (d) Clay is separated from water by the method of decantation.
- (e) When cereals are washed before cooking, water is separated from the cereals by decantation.
- (f) Crystallisation is a process to obtain a very pure form of a solid dissolved in a liquid.

(g) Ammonium chloride can be separated from common salt by the method of sublimation.

(h) The solid particles which remain on filter paper are called residue and the liquid which passes through it is called filtrate.

(i) The process of transferring the clear liquid above the solid particles which settle at the bottom of the container is known as decantation.

(j) Filtration is a method used for separation of an insoluble solid from a solid-liquid mixture.

2. Write "*true*" or "*false*" for the following statements :

- (a) A pure substance consists of only one kind of atom or molecule. ..T.....
- (b) Common salt is separated from its solution in water by decantation. ..F.....
- (c) Winnowing is a process to remove small stones from grains. ..T.....
- (d) Gold jewellery is a homogeneous mixture of metals. ..F.....
- (e) Air can be separated from water by filtration. ..T.....
- (f) Salt and air dissolved in water add taste to water. ..T.....
- (g) Steel is an alloy of iron and aluminium. ..F.....