

H.W
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Date _____
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Exercise 11

Objective Type Questions

1. Fill in the blanks

- a) The substances that make a mixture are called its constituents or components.
- b) Evaporation or Crystallisation is a process to separate solid constituents dissolved in liquids.
- c) Mist is heterogeneous (liquid in gas) mixture of droplets of water and air.
- d) Clay is separated from water by the method of loading and 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 the filter paper are called residue and the liquid which passes through it is called filtrate.
- i) The process of transferring the clear liquid layer above the solid particles which settle at the bottom of the container is known as decantation.
- j) Filtration is a method used for the 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.

Ans- True

b) Common Salt is separated from its solution in water by decantation.

Ans- False

Correct statement: Common Salt is separated from its solution in water by evaporation.

c) Winnowing is a process to remove small stone from grains.

Ans- False

Correct Statement:- Winnowing is a process to remove husk from grains.

d) Jewellery gold is a homogeneous mixture of metals.

Ans- False

Correct Statement- Jewellery gold is a heterogeneous mixture of metals.

e) Air can be separated from water by filtration.

Ans- False

Correct Statement:- Air can be separated from water by heating.

f) Salt and air dissolved in water add taste to water.

Ans- True

g) Steel is an alloy of iron and aluminium.

Ans- False

Correct:- Steel is an alloy of iron and Carbon.