

HW
02/11/21

Exercise - I

1) Select homogeneous and heterogeneous mixtures :-

Homogeneous Mixture	Heterogeneous Mixture
Salt solutions, Water and alcohol, Air dissolved in water, Sea water, Fruit Juices juices, brass	Petrol and water, Sand and charcoal, Sea water, Mist

2) Define the following with an example for each :-

a) Pure substance :- Pure substances are either elements or compounds containing ~~the~~ same or different kinds of atoms. Example :- Gold

b) Impure substance :- A substance in which some other substances are also present in ~~smaller~~ smaller or larger quantities ~~are~~ ^{is} called impure substance. Example :- Oxygen.

c) Alloy:- A homogeneous mixture of two or more metals or a metal and a non-metal is called an alloy. Example:- Brass

d) Solution:- The homogeneous mixture of water and a substance soluble in it is called a solution. Example: Salt solution

e) Heterogeneous substance:- A mixture in which the components are not uniformly distributed throughout its volume and can be easily seen separately is called heterogeneous mixture. Example:- ~~Chalk~~ Chalk in water

f) Homogeneous substance:- A mixture in which its constituents are uniformly distributed throughout its volume and cannot be seen separately is called homogeneous mixture. Example:- Water and alcohol