

### EXERCISE - I

① Homogeneous mixtures -  
Salt solution, alcohol and water, air dissolved in water, sea water, brass.

Heterogeneous mixtures -  
sand and charcoal, air, fruit juice, mist, petrol and water.

② Define:-

a) Pure substances -

Pure substance is either element or compound. It contains the same kind of atom or molecules and has a definite set of physical and chemical properties.

b) Impure substances -

A substance in which some other substances are also present in smaller or larger amounts is called an impure substance. Mixtures are impure substances.  
Ex - air.

c) Alloy - solid

A homogeneous mixture of two or more metals or a metal and a non-metal is called an alloy.

d) Solution -

The homogeneous mixture of water (or any solvent) and a substance soluble in it is called a solution.

e) Heterogeneous mixture :

~~The~~ A mixture in which the components are not uniformly distributed through its volume and can be easily seen separately is called heterogeneous mixture.

f) Homogeneous mixture :

A mixture in which its constituents are uniformly distributed throughout its volume and can't be seen separately is called a homogeneous mixture.