

Homogeneous

Heterogeneous

1 Ans)

Salt Solution

~~Alcohol~~ Alcohol + Water

Air + Water

Air

Sea water

Fruit water

Brass

Petrol and water

Sand + Charcoal

Mist

2 Ans) i) Pure Substance

Pure substances contain the same kind of atoms and molecules and have a definite set of physical and chemical properties. They may be element or compound ex- gold and sugar.

ii) Impure Substances

A substance in which some other substances are also present in smaller or larger amounts is called impure substance. ex- smoke, bronzed.

iii) Alloy

A homogeneous mixture of two or more metals or a metal and a non-metal is called an alloy. ex- ~~stl~~ Steel (Iron + Carbon), Brass (Copper and zinc)

iv) Solution

The homogeneous mixture of water and a substance

soluble in it is called a solution. ex - lemon water, Sugar solution.

v) Heterogeneous mixture

A mixture in which the components are not uniformly ~~distri~~ distributed throughout its volume and can be easily seen separately is called a heterogeneous mixture  
ex - Mist and smoke.

vi) Homogeneous mixture

A mixture in which its constituent are uniformly distributed throughout its volume and cannot be seen separately is called homogeneous mixture. ex -  
Water + Alcohol, Sulphure + Carbon ~~dissulphite~~ disulphite