

C-4
2/11/2021

CH-5

1. ~~Select~~ Select homogeneous and heterogeneous mixtures from the following:

Salt solution, petrol and water, sand and

charcoal, alcohol and water, ~~air~~ air

dissolved in water, air, sea water, fruit juices,

mist, brass.

Ans. homogeneous mixtures:- Salt solution,

alcohol and water, air dissolved in water,

Sea water and brass

heterogeneous mixtures:- petrol and water,

air, fruit juices, Mist, sand and charcoal

2. Define the following with an example for each

(a) Pure substance (b) Impure substance

(c) Alloy (d) ~~saturated~~ solution (e) Heterogeneous mixture
(f) Homogeneous mixture

Ans Pure Substance:- Pure substances are either elements or compounds. They contain the

same kind of atoms and molecules. Ex - Gold is an element which contains the same kind of atoms.

Impure substance:- A substance in which ~~some~~ other substances are also present in smaller or larger amounts is called

Impure substance. E. Air is a mixture. Its constituents are oxygen, nitrogen, water etc.

These ~~constituents~~ constituent have different kind. Therefore a impure substance

Alloy:- A homogeneous mixture of two or more metals or a metal and a non metal is called an alloy. Ex- Brass, Bronze, Steel and Duralumin

Solution:- The homogeneous mixture of ^{two} or ~~two~~ more substance is called solution

Ex \Rightarrow Sugar solution. We cannot ~~see~~ see sugar and water separately in the solution

~~A~~ Heterogeneous Mixture:- A mixture in which the components or constituent are not uniformly distributed throughout its volume is called Heterogeneous Mixture. Ex- Soil is a mixture of ~~many~~ many compounds and elements.

Homogeneous Mixtures :- A mixture in which its constituents are uniformly distributed throughout its volume is called a ~~hom~~ homogeneous mixture. Ex - Salt solution is a mixture made up of salt and water.