

Chapter - 5

Book Exercise

1. ~~H~~ Homogeneous mixture: Salt solution, alcohol and water, air ~~s~~ dissolved in water, sea water, brass.
Heterogeneous mixture: Sand and charcoal, air, fruit juice, mist, petrol and water.
2. (a) Pure substance: "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 substance: "A substance in which some other substances are also present in smaller or larger amounts is called ~~an~~ an impure substance. Mixtures are

impure substance.

Example of impure substance is air.

(c) Alloy: "A homogeneous solid 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 other solvent) and a substance soluble in it is called a solution."

(e) Heterogeneous mixture: "A mixture in which the components are not uniformly distributed through its volume and can be easily seen separately is called heterogeneous mixture."

(f) ~~Not~~ Homogeneous mixture: "A mixture in which its constituents are ~~uniform~~ uniformly distributed throughout its volume and cannot be seen separately is called a homogeneous mixture."