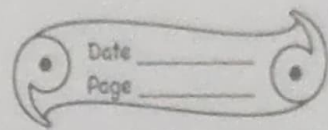


# Pure Substance and Mixtures



## Exercise - 1

1) - Homogeneous - Salt Solution, alcohol and Water, air dissolved in water, sea water, brine.

- Heterogeneous mixture - Sand and Charcoal, air, fruit juice, mist, petrol and water.

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

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

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

f) A mixture in which its ~~com~~ constituents are uniformly distributed throughout its volume and cannot be seen separately is called a homogeneous mixture.