

H.W
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Q.1. The Difference between pure substance and mixtures:-

Pure substance	Mixture
Pure substances are either elements or compound. They contain the same kind of atoms and chemical properties.	A substance in which some other substances are also present in smaller or larger amount is called mixture.
Examples:- Gold is an element which contains the same kind of atoms.	Ex: Air is a mixture. Its constituents are oxygen, nitrogen, carbon dioxide.

2. Homogeneous mixture:-

- Solid + Solid = Alloys such as brass, bronze, etc.
- Solid + liquid = Salt + water, sugar + water, sulphur + carbon disulphide, iodine + alcohol, nitric acid + water, etc.

- liquid + liquid :- water + alcohol, water + vinegar, acetone + water, oil + carbon-tetra chloride.

heterogeneous mixture:-

- Solid + Solid = Sand and iron filings, sand and sugar, sand and salt, sulphur and iron filings, soil (sand + clay + minerals), heap of wheat (wheat + stones + husk), Namkeen mixtures.

- Solid + liquid :- Chalk in water, sand in water, charcoal in water, pond mud (salt + clay + water).

- liquid + liquid :- Oil in water, petrol in water.

doubt.
3.