

Q1. Differentiate between pure substances and mixtures.

Ans → Pure substances: Pure substances are either elements or compounds. They contain the same kind of atoms and molecules and have a definite set of physical and chemical properties.

Mixture (impure substances): Two or more pure substances (elements or compounds) mixed together in any proportion.

such that they don't undergo any chemical change and retain their individual properties is called a mixture.

Q2. Give 3 examples of each homogeneous and heterogeneous mixture?

Ans → Homogeneous mixtures

~~Alloys~~ bronze, water + alcohol, Carbon dioxide + water.

Heterogeneous: iron filings, sand, chalk in water, petrol in water, Mist.