

1) IUPAC - International Union of Pure and Applied Chemistry

→ It Applies the names of elements.

2) Compound

→ A Pure substance formed by combining two or more elements

→ Elements are in a fixed ratio

→ They can be broken down

Mixtures

→ Impure substance made by mixing 2 or more pure substances

→ Substances are present in any proportion

→ Do not undergo chemical changes

3) Separation is the process which converts a

mixture or solutions into two or more

distinct mixtures.

The principle of separation depends upon

→ Types of mixtures

→ Shape, Colour, density etc

#### 4 Characteristics of Mixtures are

→ Components of a mixture are very loosely held together without any chemical force acting on them

→ Components regain their individual properties

5) → Metalloids are substances which show properties of both - metals and non metals

→ for example - Boron, tellurium

6) These elements do not react chemically with any other gases or elements

for example → helium neon