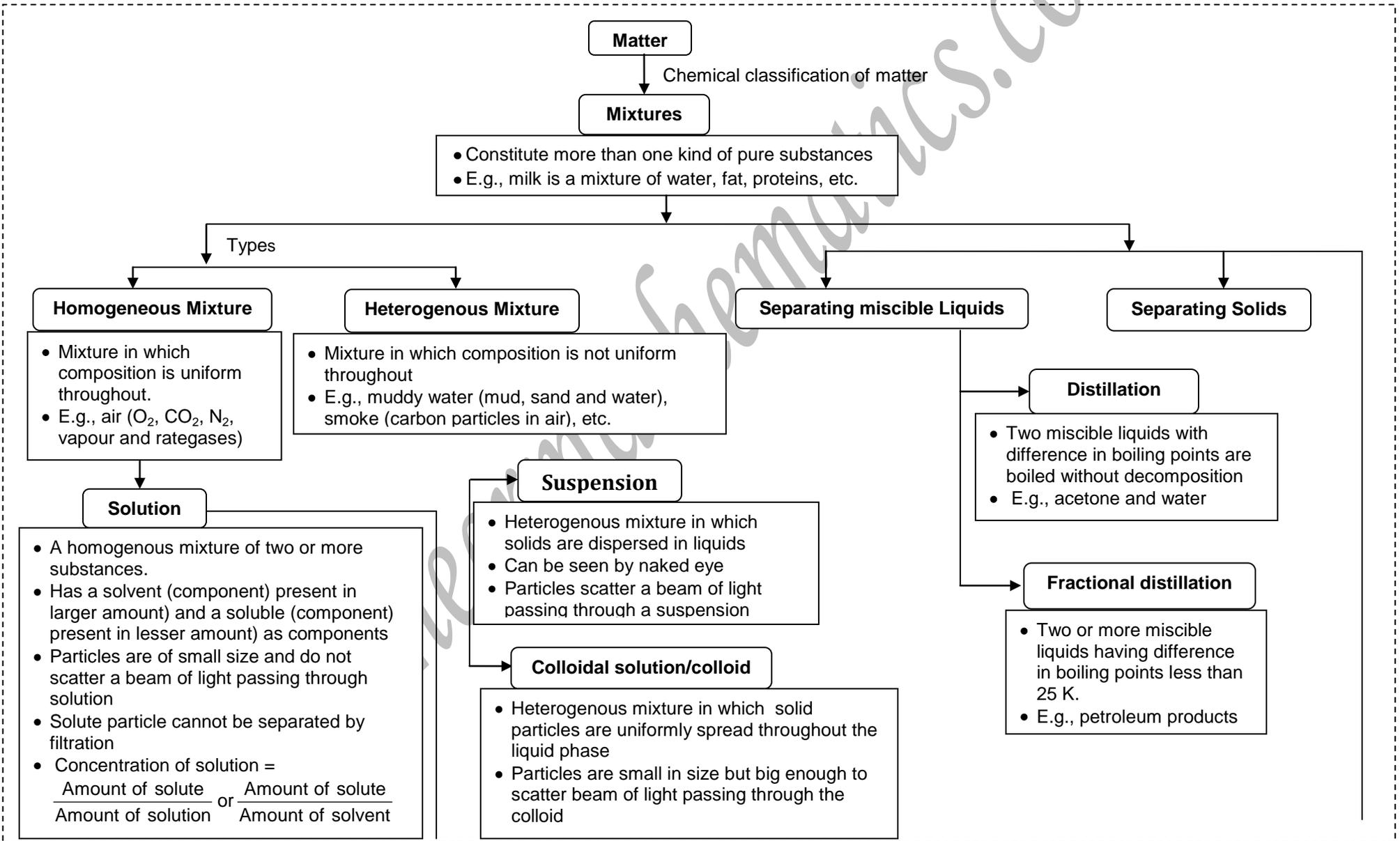


Is Matter around Us Pure

Chapter Flowchart

The Chapter Flowcharts give you the gist of the chapter flow in a single glance.



Concentration of Solution

$$\text{Mass by mass percentage of a solution} = \frac{\text{Mass of solute}}{\text{Mass of solution}} \times 100$$

$$\text{Mass by volume percentage of a solution} = \frac{\text{Mass of solute}}{\text{Volume of solution}} \times 100$$

Types of Solution**Solid Solution**

Alloy: Mixture of two or more metals or a metal and a non-metal that cannot be separated by physical methods

Liquid Solution

Sugar and water solution

Gaseous Solution

Air: Mixture of Various gases

Crystallisation

- Pure solid separates from solution as crystals; used for purification of solids.
- E.g., salt from sea water

Chromatography

- Solute that dissolve in same solvents separates at different heights of medium
- E.g., drugs from blood

