

## Phase of matter

Solids: rigid , fixed shape fixed volume

Liquid: not rigid , not fixed shape, fixed volume

Gas: not rigid , not fixed shape, not fixed volume

Plasma: is an electrically neutral medium of unbound positive and negative particles (i.e. the overall charge of a plasma is roughly zero).

It is highly unlikely to encounter plasma state in general chemistry.

Evaporating : Liquid → Gas

Condensing. Gas → Liquid

Sublimation : Solid → Gas

Deposition : Gas → Solid

Melting: Solid → Liquid

Freezing: Liquid → Solid

## Ways to separate precipitate

Filtration : separate compound in mixture based on solubility

Decanting: pouring out liquid and left the solid in the beaker

Distillation: separation based on different boiling point