*Aim: What is Equilibrium?*

*Equilibrium: When the rate of the forward and reverse reactions are equal or the concentrations remain constant.*

*Types of Equilibrium:*

1. *Phase Equilibrium: Between phases such as solid to liquid at the melting or freezing point or liquid to gas at the boiling or condensation point. Seen on phase diagrams. Any change that produces as gas must be in a sealed container to reach equilibrium*
2. *Solution Equilibrium: Equilibrium between dissolved and undissolved solute in a SATURATED SOLUTION.*
3. *Chemical Equilibrium: Reversible chemical reactions Show with double arrow*

*Dynamic Equilibrium is when the rate of the forward reaction is equal to the rate of the reverse reaction*