

Equilibrium

- Equilibrium Constant, K (or K_{eq}) describes conditions AT equilibrium

$$K = \frac{\prod_i [products]^n}{\prod_i [reactants]^n}$$

Equilibrium/ Reversibility

- Anything at equilibrium is theoretically undergoing forward and reverse reactions:
- $A + B \leftrightarrow C$
 - $A + B \rightarrow C$ AND $C \rightarrow A + B$
- Equilibrium has 2 criteria:
 - Reaction does not appreciably change in time
 - Perturbation of that equilibrium will result in a return to the equilibrium