



CHEMISTRY

CHEAT SHEET

EQUILIBRIUM

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What is Equilibrium? Chemical Equilibrium occurs when the concentrations of the chemical species remain the same with time (dynamic equilibrium). Equilibrium reactions are represented by the symbol $\rightleftharpoons$. For a general reaction: $aA + bB \rightleftharpoons cC + dD$ The equilibrium constant is given by: $K_c = \frac{[C]^c [D]^d}{[A]^a [B]^b}$	Equilibrium Constant (K_p) For a general reaction: $aA + bB \rightleftharpoons cC + dD$ The equilibrium constant is given by: $K_p = \frac{P_C^c P_D^d}{P_A^a P_B^b}$	
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