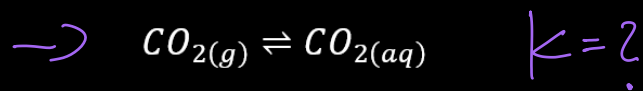
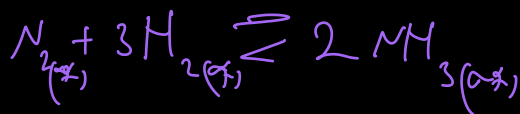


קבוע שיווי משקל מעורב

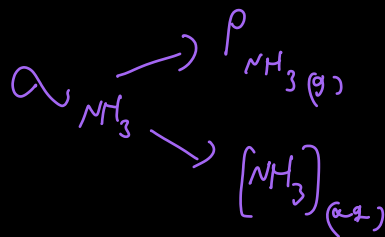


$$K_p = \frac{p_{\text{CO}_{2(aq)}}}{p_{\text{CO}_{2(g)}}} \quad ?$$

$$K_c = \frac{[\text{CO}_{2(aq)}] \text{ M}}{[\text{CO}_{2(g)}] \text{ M}}$$



$$K = \frac{[\text{NH}_3]^2}{[\text{N}_2][\text{H}_2]^3} \quad \frac{\text{M}^2}{\text{M} \cdot \text{M}^3} = \boxed{\frac{1}{\text{M}^2}}$$



$$K = \frac{a_{\text{NH}_3}}{a_{\text{N}_2} a_{\text{H}_2}^3}$$

$$K = \frac{[\text{CO}_{2(aq)}]}{p_{\text{CO}_{2(g)}}} = \frac{[\text{CO}_{2(aq)}]}{c^\circ} = \frac{[\text{CO}_{2(aq)}]}{\frac{p_{\text{CO}_{2(g)}}}{p^\circ}}$$

$$\boxed{\begin{array}{l} p^\circ = 1 \text{ bar} \\ c^\circ = 1 \text{ M} \end{array}}$$

$$K_{\text{NH}_3} = \frac{\frac{[\text{NH}_3]^2}{(c^\circ)^2}}{\frac{[\text{N}_2]}{c^\circ} \cdot \frac{[\text{H}_2]^3}{(c^\circ)^3}}$$