

C7605 / C7050 - KOLNOVOST



$$Q = \frac{[C]^c [D]^d}{[A]^a [B]^b}$$

splošno izrazno $K \rightarrow \infty$

$$\Delta G = \Delta G^\circ + RT \ln Q$$

Q - reakcijski kvocient

$$\Delta G^\circ = -RT \ln K$$

$$K = e^{-\frac{\Delta G^\circ}{RT}}$$

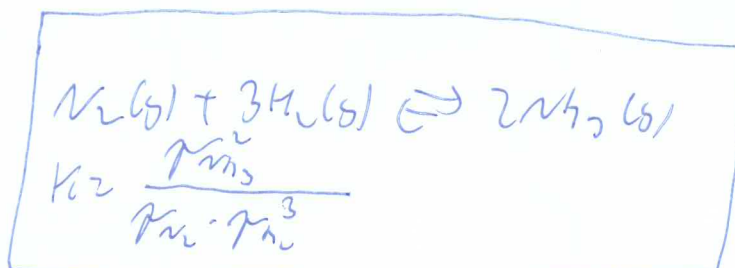
$$K = \frac{[C]^c [D]^d}{[A]^a [B]^b}$$

$Q = K$ v ravnotežju

pho plava

$$K = \frac{p_C^c \cdot p_D^d}{p_A^a \cdot p_B^b}$$

$$K = \frac{a_C^c \cdot a_D^d}{a_A^a \cdot a_B^b}$$



$$K = \frac{a_{Fe_3O_4}^2 \cdot a_{H_2O}}{a_{Fe_2O_3}^3 \cdot a_{H_2}} = \frac{p_{H_2O}}{p_{H_2}}$$

LE CHATLIEROV PRINCIP



~~1 mol~~ \rightarrow zmanjšanje tlaka \rightarrow posreva k produktom



2 mol \rightleftharpoons 2 mol \Rightarrow tlak ni pomemben

Pravilna izjava
zmanjšanje tlaka

Temperatura \rightarrow eksotermna vs. endotermna

Estimacija - oblikovanje reakcije \rightarrow posreva k produktom