

$$k_{a} \propto \exp \frac{E_{a}}{RT} \qquad \qquad k_{a}^{'} \propto \exp \frac{E_{L}}{RT}$$

$$n^{S} = \frac{n_{m} \cdot C \cdot \frac{p}{p_{o}}}{\left(1 - \frac{p}{p_{o}}\right) \cdot \left[1 + (C - 1)\frac{p}{p_{o}}\right]}$$

$$C = e^{\frac{(E_{a} - E_{L})}{RT}}$$
C depends on the quality and shows the rel. strength of the 19





2





3



