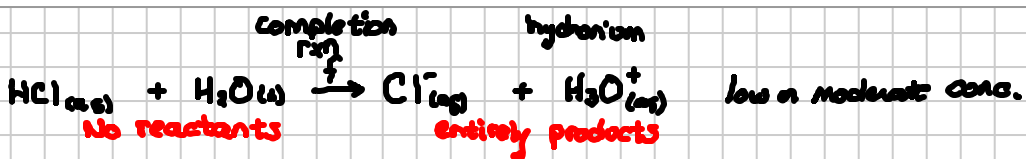


Lecture 10.2 Strong & weak acids

Note Title

9/27/2011

Strong acid.



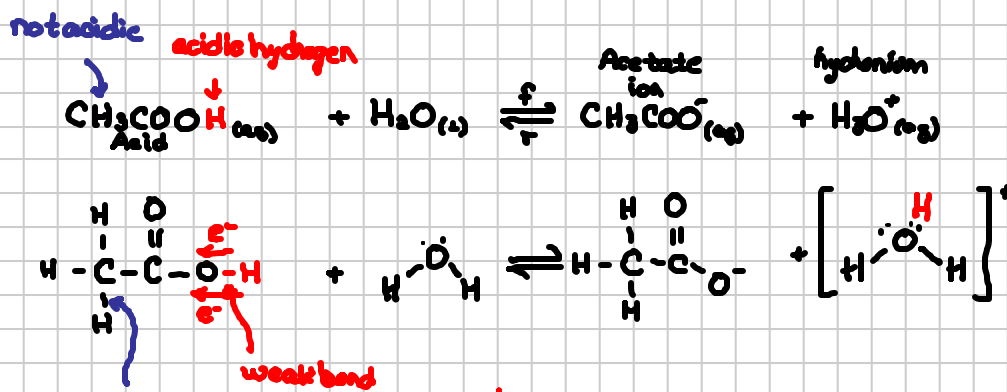
Law of Mass Action:

$$K_a = \frac{[\text{Cl}^-][\text{H}_3\text{O}^+]}{[\text{HCl}]} = \infty \text{ infinity. favors products}$$

Weak Acid:



Acetic Acid



$E_{\text{C-O}} \approx E_{\text{O-H}}$
 equal e⁻ sharing
 e⁻ one in the bond

$E_{\text{O-H}} > E_{\text{N-H}}$
 non-equal sharing
 e⁻ spend less time in bond
 weaker

N, O, F

