$$1 \times 10^{-14} = [H^{+}][OH]$$
 $pOH + pH = 14$
 $pH = -log[H^{+}][H^{-}] = 10^{-pH}$
 $pOH = -log[OH][OH] = 10^{-pOH}$

Acids
$$H_3A + H_2O \Leftrightarrow H_3O^{\dagger} + H_3A$$

$$K_a = \frac{(H^{\dagger})[A]}{[HA]}$$

$$B + H_3O \Leftrightarrow HB^{\dagger} + OH$$

$$K_b = \frac{(HB^{\dagger})[OH]}{[B]}$$

