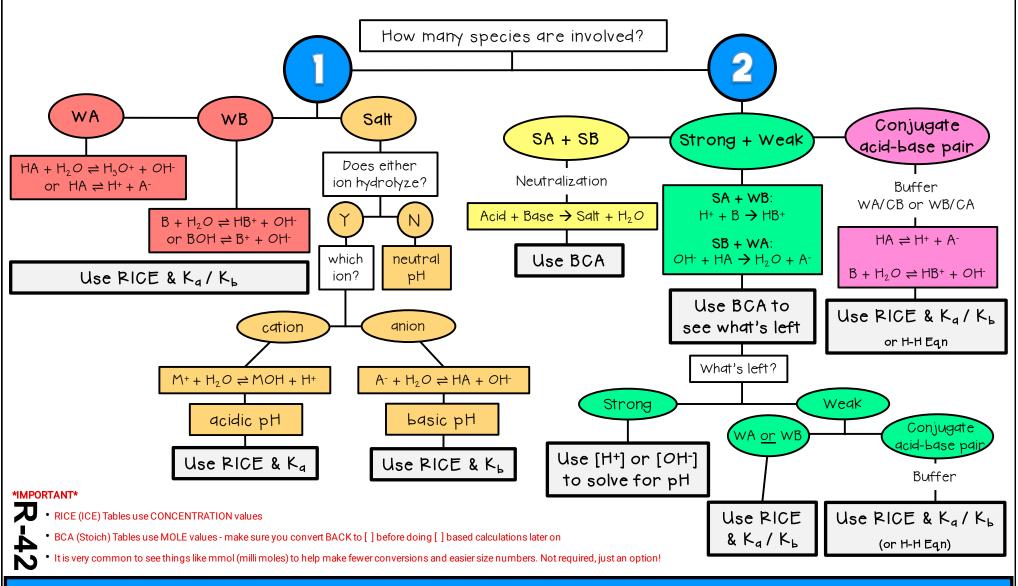
ACID-BASE EQUILIBRIA

Identifying the type of problem & how to solve it



SA = strong acid WA SB = strong base WB

WA = weak acid WB = weak base CA = conjugate acid CB = conjugate base RICE = reaction / initial / change / equilibrium table BCA = before / change / after (stoichiometry) table $[H^+] = K_a \frac{acid}{base}$

 $pH = pK_a + log \frac{[A^-]}{[HA]}$