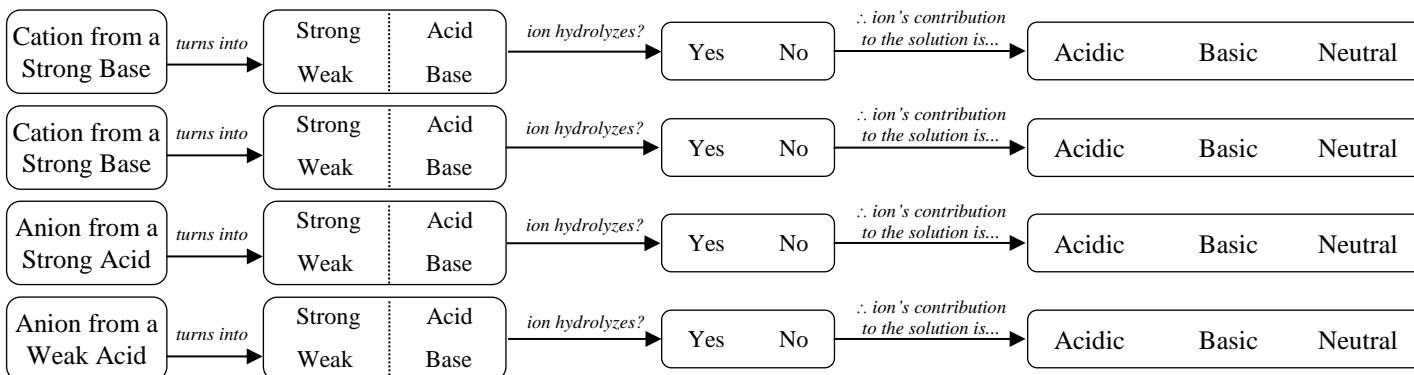


Name: _____

Period: _____

Seat#: _____

Fill out the graphic below by circling or highlighting the correct choice.



Classify the following salts as acidic, basic, or neutral. Remember: $K_w = K_a \times K_b$

Salt	Acidic, Basic, or Neutral	Salt	Acidic, Basic, or Neutral
1) $Ba(ClO_4)_2$		12) K_2CO_3	
2) NH_4NO_2 K_a for $NH_4^+ = 5.6 \times 10^{-10}$ K_b for $NO_2^- = 2.2 \times 10^{-11}$		13) $CsOH$	
3) $AgOH$		14) $HClO_4$	
4) H_2CO_3		15) $NH_4C_2H_3O_2$ K_b for $CH_3NH_2 = 4.4 \times 10^{-4}$ K_b for $NO_2^- = 2.2 \times 10^{-11}$	
5) NH_4Cl		16) $NaClO$	
6) $Ca(NO_3)_2$		17) $KClO_4$	
7) $NaNO_2$		18) NH_4Br	
8) $Zn(NO_3)_2$		19) NH_4F K_b for $CH_3NH_2 = 4.4 \times 10^{-4}$ K_b for $NO_2^- = 2.2 \times 10^{-11}$	
9) K_2CO_3		20) $KC_2H_3O_2$	
10) $Fe(ClO_4)_2$		21) NaF	
11) $NH_4C_6H_6COO$ K_a for $NH_4^+ = 5.6 \times 10^{-10}$ K_a for $C_6H_6COOH = 6.5 \times 10^{-5}$		22) $CH_3NH_3NO_2$ K_b for $CH_3NH_2 = 4.4 \times 10^{-4}$ K_b for $NO_2^- = 2.2 \times 10^{-11}$	

