

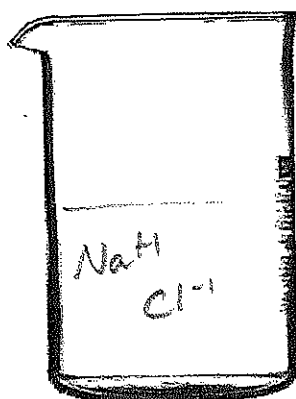
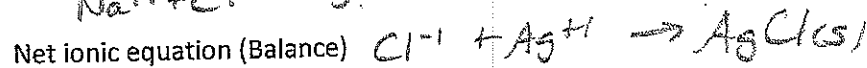
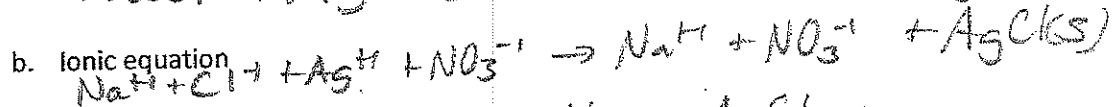
Standard: (#4-2)

Solubility Reactions Draw

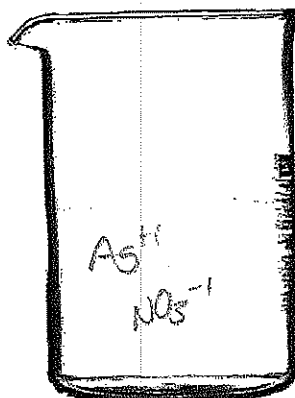
1. Equal concentrations of NaCl reacts with AgNO<sub>3</sub> causing a white solid to appear.

Spectators:  $\text{Na}^+ \text{NO}_3^-$

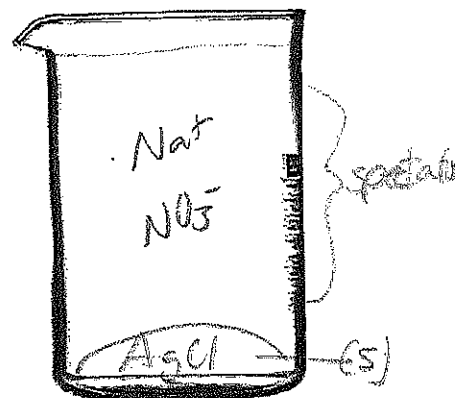
Write a molecular equation (Balance)



d. NaCl



AgNO<sub>3</sub>

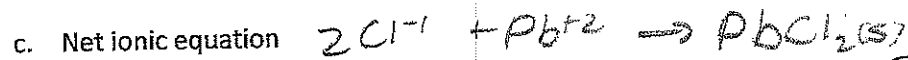
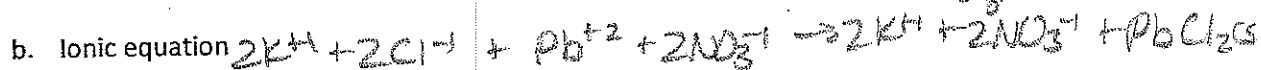
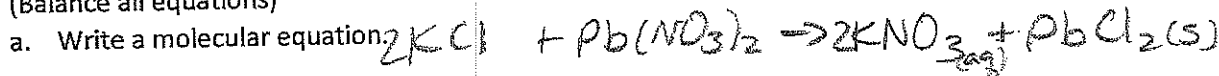


Products

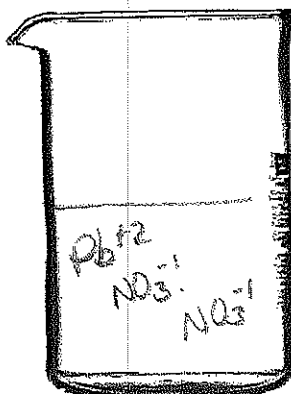
2. Equal concentrations of KCl reacts with Pb(NO<sub>3</sub>)<sub>2</sub> causing a white solid to appear.

Spectators:  $\text{K}^+ \text{NO}_3^-$

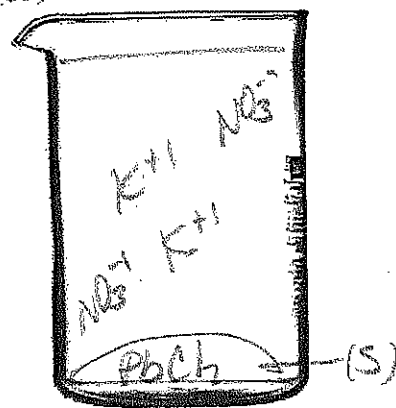
(Balance all equations)



e. KCl



Pb(NO<sub>3</sub>)<sub>2</sub>



Products

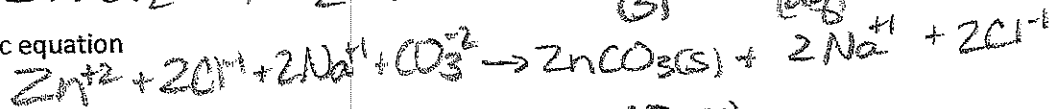
3. Zinc Chloride is mixed with a solution of sodium Carbonate that is twice as concentrated.  
 (Balance all equations)

a. Write a molecular equation.

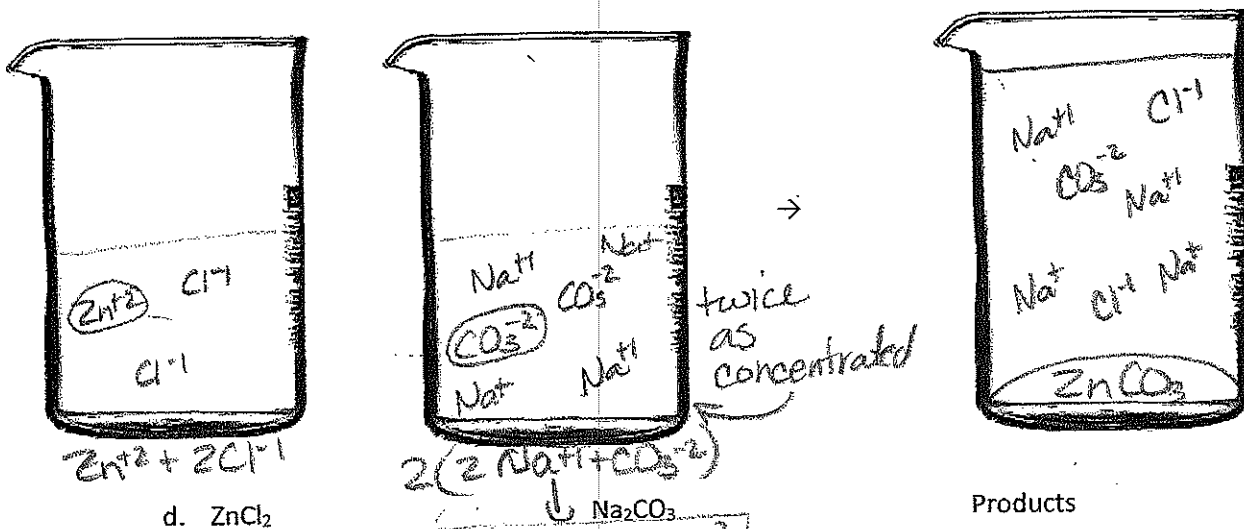


Spectators:  $\text{Na}^+$  +  $\text{Cl}^-$

b. Ionic equation



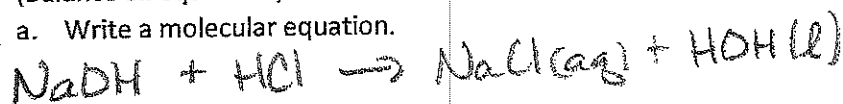
c. Net ionic equation  $\text{Zn}^{+2} + \text{CO}_3^{-2} \rightarrow \text{ZnCO}_3(\text{s})$



4. Sodium Hydroxide is mixed with a solution of Hydrochloric acid that is equally concentrated.  
 (Balance all equations)

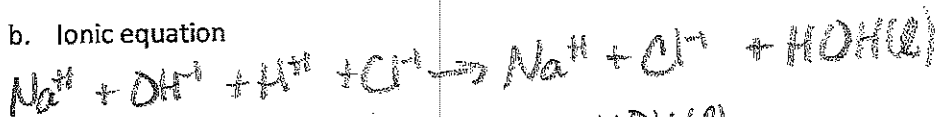
neutralization

a. Write a molecular equation.



Spectators:  $\text{Na}^+$  +  $\text{Cl}^-$

b. Ionic equation



c. Net ionic equation  $\text{OH}^{-1} + \text{H}^{+1} \rightarrow \text{H}_2\text{O}(\text{l})$

