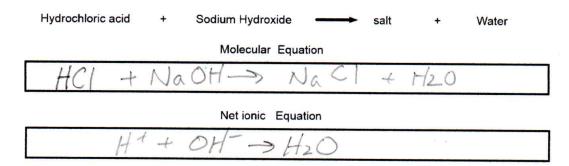
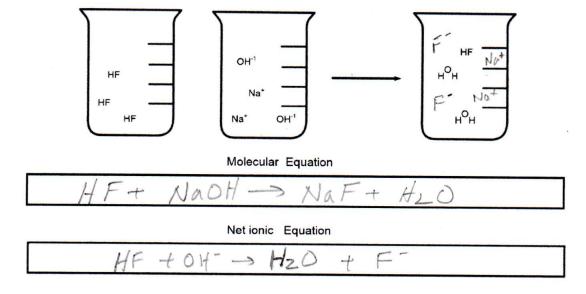
1. Complete the molecular and net ionic reaction for the reaction below.



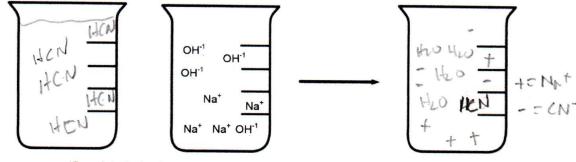
2. Complete the molecular and net ionic reaction for the reaction below based on the beakers. Add the missing Na⁺ and F⁻⁻¹ ions to the final beaker.



3. Based upon the reactions below complete the beakers.

Excess Hydrocyanic acid is neutralized by potassium hydroxide.

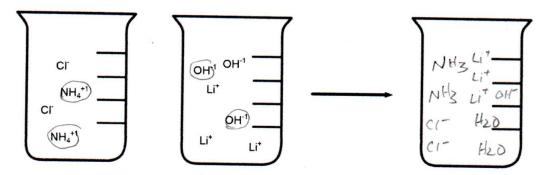
Molecular equation: $HCN + KOH \Rightarrow H_2O + KCN$ Net ionic equation: $HCN + OH^{-1} \Rightarrow H_2O + CN^{-1}$



(Complete the beakers above, there is more then 1 right answer to these beakers)

4. Ammonium Chloride reacts with Lithium hydroxide. Complete the beakers below base upon the molecular and net ionic reactions.

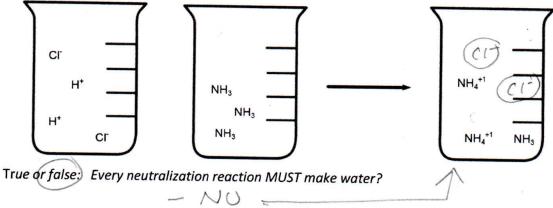
> Molecular equation: $NH_4CI + LiOH \Rightarrow NH_3 + LiCI + H_2O$ Net ionic equation: $NH_4^+ + OH^{-1} \Rightarrow NH_3 + H_2O$



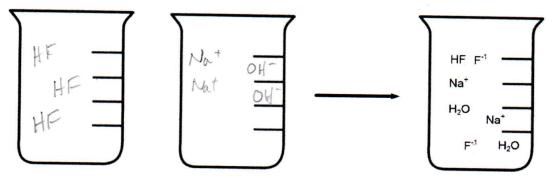
5. Write out the molecular and net ionic reaction for the beakers below.

Net ionic equation:

** The final beaker is missing spectator ions, please add.



You are given a final beaker, please draw out the original beakers. 6.



What is the salt produced in this reaction?

NOF