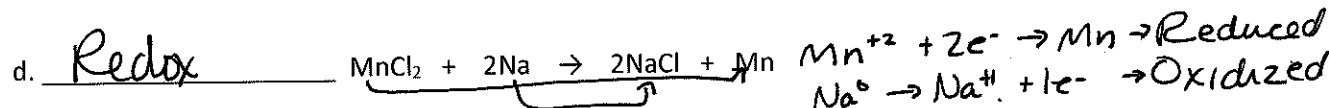
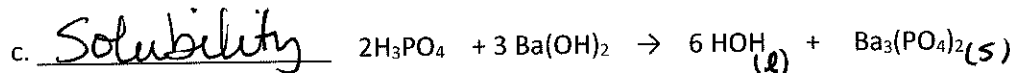
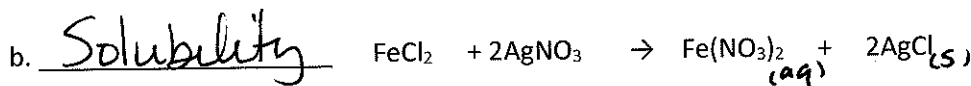
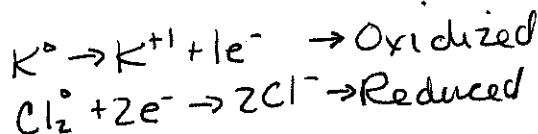


Reactions Assessment Practice

1. Identify the following as redox or solubility:



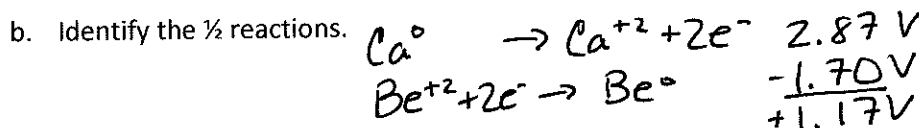
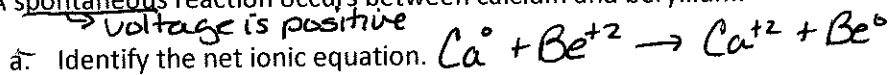
2. For the redox reactions above, identify what is oxidized and what is reduced. (see above)

3. For the solubility reactions above, identify the states of matter using a solubility chart. (see above)

4. a. What factors help you identify redox reactions?
 Charges are changing.

b. What factors help you identify solubility reactions?
 Charges do not change
 A solid, liquid or gas forming.

5. A spontaneous reaction occurs between calcium and beryllium.

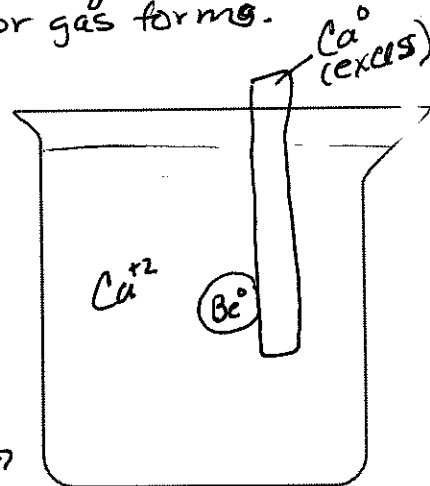


c. What is being oxidized? Calcium

d. What is being reduced? Beryllium

e. Determine the (electropotential) voltage. $+1.17V$

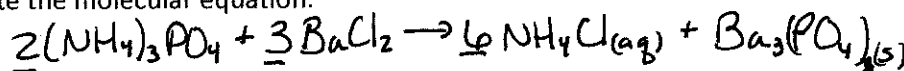
f. Draw the result of the reaction in the beaker. - The result is the product $Ca^{+2} + Be^0$



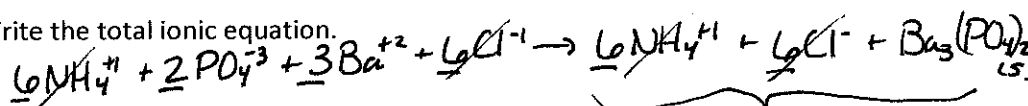
(clings to excess Ca metal)

6. A reaction occurs when equal amounts of $(NH_4)_3PO_4$ and $BaCl_2$ are mixed.

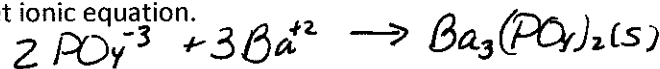
a. Write the molecular equation.



b. Write the total ionic equation.



c. Write the net ionic equation.



d. What are the spectator ions? NH_4^{+1} and Cl^{-1}

e. Draw the result of the reaction in the beaker. Result is product!

