Prelab Assignment Name: _____

Analysis of the Silver Group Ions

Note: During lab, you will follow the procedure outlined on "Page 15" of the instructions. However, "Page 16" has some very useful notes on this procedure. You may want to annotate the flow chart at the appropriate points using these notes.

1. What are the silver group ions? Give their formulas.

2. The silver group ions are separated from all other soluble ions by forming precipitates. What reagent is added that leads to this precipitation?

3. Of the three silver group ions, which is much more soluble than the other two in hot water?

4. One of the ions undergoes a “complexation” reaction. Which one would that be?

5. Some reactions you do in this experiment are done in order to separate the ions from one another. Other reactions are used to verify that a particular ion is present. Is the reaction involving K_2CrO_4 a separation reaction, or a confirmatory one?