Post-lab: Halogens

1. Rank the halogens in order of increasing electronegativity.

2. In the titration in section E, it was necessary to dispense the sodium chloride and silver nitrate solutions with the same pipet, but not the potassium chromate solution. Why not?

3. A student determined the concentration of sodium hypochlorite in a commercial bleach sample as described in section F. The student required 18 drops of 0.01M Na\textsubscript{2}S\textsubscript{2}O\textsubscript{3} to reach the end point.
   a) What was the concentration of the original undiluted bleach solution in molarity, M?
   
   b) What was the concentration of the original undiluted bleach solution percent composition by volume, \(\%\left(\frac{m}{V}\right)\)?