

Synthesis and Analysis of a Coordination Compound
Determination of the Percent Potassium and Iron by Ion Exchange
pre-lab

1. What type of column is the coordination compound solution passed through before titration by NaOH?
2. What type of ions displace the H_3O^+ in the column?
3. What is the first reaction that happens?
4. What is the second reaction that happens?
5. What is the stoichiometric ratio for each of the reactions?
6. How many equivalence points will there be?
7. How many grams of the green salt should you use?
8. If the pH electrode is not covered by enough solution what can be done to fix the problem?
9. When the titration is finished what will the pH have become?