

**Pre-Lab Questions, Second Week**  
Inorganic Chemistry (CHE-258), Spring 2004

**Preparation and Spectral Analysis  
Of a Series of Ammine Complexes of Cobalt(III)**

1. What are the ligands that you will be evaluating for ligand field strength in this series of experiments?
2. Briefly describe a qualitative method that can be applied to evaluation of the relative values of ligand field strengths.
3. Briefly describe a quantitative method that can be applied to evaluation of the relative values of ligand field strengths.