

# Ligand Substitution Reactions

Textbook page 414-415.

Define the following terms

- Ligand Substitution

Make notes on complex ions.

*Use the following questions as a guide*

1. For each reaction, record the equation and any observations you would make.
  - a.  $\text{CuSO}_4(\text{aq})$  with excess ammonia
  - b.  $\text{CuSO}_4(\text{aq})$  with c.HCl
  - c. Chrome alum in ammonia
2. Draw the complexes that you would see in 1. using 3D diagrams.