

# Predicting Reactions

(Lab Activity)

Procedure:

- 1) To each of 5 clean test tubes add about 2 mL of one of the Group B reagents.  
Example: Each test tube gets 2 mL cobalt (II) chloride
- 2) To each of the test tubes from step 1 add 2 mL of one of the Group A reagents.  
Example: Now each Group A reagents has been combined with cobalt (II) chloride.  
Record the results in the data table
- 3) Repeat steps 1 & 2 for each of the Group B reagents.

↓ Group A → Group B					

Analysis:

Identify, by number in the data table, each of the reactions that **produced a precipitate**.

For each *numbered reaction* :

1. Write the balanced equation for the reaction; include the state-of-matter subscripts
2. Write the complete ionic equation for each reaction
3. Write the net ionic equation for each reaction.
4. Name the precipitate