Predicting Reactions

(prelab)

Purpose: Predict the result of a potential chemical reaction, based on solubility rules, and explain reactions that do occur (i.e. write balanced reactions for observed reactions).

Materials:

5 small test tubes
test tube brush
lab apron
test tube rack
wash bottle

<u>Group A reagents</u>
sodium iodide
sodium carbonate
sodium phosphate
sodium sulfate
sodium hydroxide

<u>Group B reagents</u>
cobalt (II) chloride
copper (II) sulfate
aluminum sulfate
barium chloride
nickel (II) nitrate

Pre-Lab:

1) Write the chemical formula for each of the reagents in the table below.
2) Write the possible new products for the combined reactants.
3) Circle products that you expect to be precipitants from the reaction

Group A ↓ / Group B →					