Chemistry Precipitation Reaction Practice Name:

Write the equation for the dissolution of each of the following in water, and then determine the number of moles of each ion produced.

1. 2.5 mol magnesium bromide
2. 1.4 mol aluminum carbonate
3. 3.0 mol ammonium selenide

For each of the following combinations of reactants, do the following:

* Predict possible products with phase labels
* Write the balanced chemical equation.
* If no visible reaction occurs, write NR. If a

precipitate forms, find the net ionic equation and name the precipitate.

1. Solutions of calcium chloride and potassium phosphate are mixed.
2. Solutions of calcium nitrate and sodium chloride are mixed.
3. Solutions of potassium chloride and silver nitrate are mixed.
4. Solutions of sodium sulfide and nickel (II) sulfate are mixed.
5. Solutions of ammonium sulfate and barium chloride are mixed.