

Chem 1020

Precipitation reactions worksheet

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, give the formula and name of the precipitate.

1. Solutions of iron (II) sulfate and barium hydroxide are mixed.

2. Solutions of calcium chloride and potassium phosphate are mixed.

3. Solutions of calcium nitrate and sodium chloride are mixed.

4. Solutions of potassium chloride and silver nitrate are mixed.

5. Solutions of sodium sulfide and nickel (II) sulfate are mixed.

6. Solutions of ammonium sulfate and barium chloride are mixed.

7. $\text{Na}_2\text{S}(aq) + \text{ZnSO}_4(aq) \rightarrow$

