Precipitation Reactions Worksheet

Write chemical, complete ionic, and net ionic equations for the following reactions that may produce precipitates. Use NR to indicate that no reaction occurs.

1. Aqueous solutions of potassium iodide and silver nitrate are mixed.

2. Aqueous solutions of ammonium phosphate and sodium sulfate are mixed.

3. Aqueous solutions of aluminum chloride and sodium hydroxide are mixed.

4. Aqueous solutions of lithium sulfate and calcium nitrate are mixed.

5. Aqueous solutions of iron (II) sulfate and barium hydroxide are mixed.

6. $NH_3SO_4(aq) + BaCl_2(aq) \rightarrow$

7. $Na_2S(aq) + NiSO_4(aq) \rightarrow$

8. $Al(NO_3)_3(aq) + Na_3PO_4(aq) \rightarrow$

9. $(NH_4)_2CO_3(aq) + MgSO_4(aq) \rightarrow$

10. $Ca(OH)_2(aq) + Na_2SO_4(aq) \rightarrow$