Golden Valley HS • Chemistry

Name _____
Period: _____

7 • Chemical Reactions

Net Ionic Equation Worksheet

Write the complete and net ionic equations for the following reactions.

If only the reactants are given, predict the products and balance the equation first. You also must include the states of matter. Consult the solubility rules to help you predict precipitates. Assume all reactants are aqueous unless stated otherwise.

1. $Pb(NO_3)_{2\,(aq)} + KCl_{\,(aq)} \rightarrow PbCl_{2\,(s)} + 2\,KNO_{3\,(aq)}$

Complete Ionic:

Net Ionic:

Spectator Ions:

2. $Cl_{2\,(g)} + KI_{\,(aq)} \rightarrow KCl_{\,(aq)} + I_{2\,(s)}$

Complete Ionic:

Net Ionic:

Spectator Ions:

3. _____ $H_2SO_{4\,(aq)}$ + _____ $Ba(OH)_{2\,(aq)} \rightarrow$

Complete Ionic:

Net Ionic:

Spectator Ions:

4. _____ $K_3PO_{4\,(aq)}$ + _____ $Al(NO_3)_{3\,(aq)} \rightarrow$

Complete Ionic:

Net Ionic:

Spectator Ions:

5. _____ $Ca(OH)_{2\,(aq)}$ + _____ $Fe(NO_3)_{3\,(aq)} \rightarrow$

Complete Ionic:

Net Ionic:

Spectator Ions:

Adapted from www.hse.k12.in.us/staff/ebutzin, S. Cool, 2008