

## Neutralization Reactions

For these reactions, you should be able to identify each reactant as a strong acid, strong base, weak acid, or weak base, based on the information provided in the handout "Inorganic Reactions in Aqueous Solution."

1. nitric acid + barium hydroxide
2. nitric acid + sodium hydroxide
3. hydrocyanic acid + potassium hydroxide
4. sulfuric acid (both protons react) + sodium hydroxide
5. acetic acid + sodium hydroxide
6. ammonia + hydrochloric acid

## Writing Acid-Base Reactions

Directions: Use the space below to answer the questions on the worksheet *Exercise on Writing Net Ionic Equations for Reactions in Aqueous Solution* to

1. Balanced Chemical Equation:

Complete Ionic Equation:

Net Ionic Equation

2. Balanced Chemical Equation:

Complete Ionic Equation:

Net Ionic Equation

3. Balanced Chemical Equation:

Complete Ionic Equation:

Net Ionic Equation

4. Balanced Chemical Equation:

Complete Ionic Equation:

Net Ionic Equation

5. Balanced Chemical Equation:

Complete Ionic Equation:

Net Ionic Equation

6. Balanced Chemical Equation:

Complete Ionic Equation:

Net Ionic Equation