Chemical Nomenclature & Balancing Equations

Total: /35

For each problem presented below, *determine the chemical formula* for <u>each</u> reagent {given the written}, *predict* the products of the double replacement reaction and then balance the chemical equation.

- (4) 1. Ammonium hydroxide + hydrochloric acid \rightarrow ? + ?
- (5) 2. Potassium chromate + barium nitrate \rightarrow ? +?
- (5) 3. Copper metal + silver nitrate \rightarrow ? + ?
- (5) 4. Aluminum chloride + zinc sulphate \rightarrow ? + ?
 - (4) 5. Ammonium dichromate--→ chromium (III) oxide + nitrogen gas + water
 - (5) 6. Ammonia gas + oxygen gas → nitrogen (II) oxide + water
 - (5) 7. Ethanol + oxygen gas → carbon dioxide + water