CHEMISTRY WORKSHEET

Balancing Equations (Part 2) **Name:** _____

Write the correctly balanced equation and the type of reaction:

1. When strongly heated, magnesium sulfide formed a crystalline deposit on the walls of a sealed reaction vessel. Metallic deposits were found on the bottom of the container.
   Equation: _____
   Type of reaction: _____

2. Nitrogen gas reacts with hydrogen gas to form gaseous ammonia.
   Equation: _____
   Type of reaction: _____

3. Oxygen gas reacts with solid copper metal to form copper (II) oxide solid.
   Equation: _____
   Type of reaction: _____

4. Aluminum metal reacts with copper (II) chloride solution and solid copper.
   Equation: _____
   Type of reaction: _____

5. Dinitrogen pentoxide gas forms trinitrogen pentoxide gas and oxygen gas.
   Equation: _____
   Type of reaction: _____

6. Hydrogen sulfide gas is bubbled through a solution of iron (III) chloride.
   Equation: _____
   Type of reaction: _____

7. Magnesium nitride solid is heated until it forms solid magnesium metal and nitrogen gas.
   Equation: _____
   Type of reaction: _____

8. Aluminum solid reacts with oxygen gas to form aluminum oxide solid.
   Equation: _____
   Type of reaction: _____

9. Gaseous ammonia is formed from elements.
   Equation: _____
   Type of reaction: _____

10. Hydrogen gas and iron (III) oxide powder react to form liquid water and solid iron powder.
    Equation: _____
    Type of reaction: _____

Home