

Name: _____

Date: _____ Per: _____

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Hon/Chemistry

Formula Balancing WS 2

Rewrite each of the following word equations as balanced chemical equations. For each equation, state the type of reaction (single displacement, double displacement, synthesis, or decomposition) that best fits.

1. Sulfur plus oxygen yields sulfur dioxide.
2. Magnesium chloride plus sulfuric acid produces magnesium sulfate plus hydrochloric acid.
3. Calcium carbonate decomposes to form calcium oxide plus carbon dioxide.
4. Nitrogen reacts with hydrogen to produce ammonia (NH₃).
5. Hydrochloric acid combines with sodium hydroxide to form sodium chloride and water.
6. Sodium plus water yields sodium hydroxide plus hydrogen gas.
7. Lead (II) oxide produces lead and oxygen gas.
8. Copper combines with silver nitrate to produce copper (II) nitrate and silver.