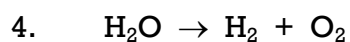
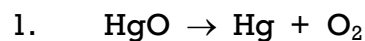


Name: _____ Date: _____
Chemistry

Worksheet

Balancing Chemical Equations

DIRECTIONS: Balance the following chemical equations. **DO NOT** just rewrite the coefficients, rewrite the whole equation when you balance reactions.



DIRECTIONS: Write a balanced equation for the following chemical reactions, and then classify each one.

6. Calcium chloride reacts with nitric acid to produce calcium nitrate and hydrochloric acid.

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7. Ammonia and oxygen react and yield nitrogen and water.

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8. Ammonium chloride and sodium nitrite yield sodium chloride, nitrogen and water.

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9. Silver nitrate and potassium sulfate produce silver sulfate and potassium nitrate.

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10. Copper added to sulfuric acid produces copper(II) sulfate, water and sulfur dioxide.

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DIRECTIONS: Predict the products, write a chemical equation, then balance the equation.

11. Calcium hydroxide plus nitric acid produces

12. Calcium carbonate is strongly heated

13. A small piece of sodium is added to water

14. Solid barium oxide is added to distilled water

15. Solutions of manganese(II) sulfate and ammonium sulfide are mixed