

Name : Date :

WRITING AND BALANCING Equations

Write the formulas of the reactants and products and balance the equations.

1. Nitric oxide reacts with ozone to produce nitrogen dioxide and oxygen gas.
2. Iron burns in air to form a black solid Fe_3O_4 .
3. Sodium metal reacts with chlorine gas to form sodium chloride.
4. Acetylene burns in air to form carbon dioxide and water.
5. Hydrogen peroxide easily decomposes into water and oxygen gas.
6. Hydrazine and hydrogen peroxide are used together as rocket fuel. The products are nitrogen gas and water.
7. If strongly heated, potassium chlorate decomposes to yield oxygen gas and potassium chloride.
8. Aqueous sodium hydroxide and gaseous carbon dioxide yield a solution of sodium carbonate and liquid water.

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Answers

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8. Aqueous sodium hydroxide and gaseous carbon dioxide yield a solution of sodium carbonate and liquid water.

