



Name _____ Class _____ Date _____

Match each of the following terms to its definition:

Chemical change

Conservation of mass

Activation energy

Chemical property

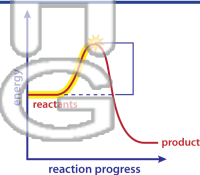
Decomposition reaction

Combustion

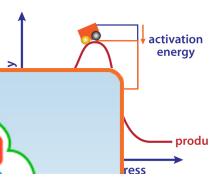
Chemical reaction

Catalyst

1. _____ - the minimum amount of energy needed to start a chemical reaction



2. _____ - a substance that changes the rate of a chemical reaction by lowering the activation energy; enzymes are an example of catalysts



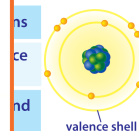
3. _____ new substances



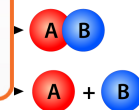
4. _____ into different substances

PREVIEW

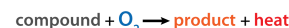
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5. _____ combine



6. _____ - a reaction between oxygen and another substance, usually an organic material; the burning of organic material

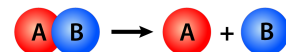


7. _____ - matter is not created or destroyed in a chemical reaction; the mass of the reactants must equal the mass of the products

$$\text{mass of reactants} = \text{mass of products}$$



8. _____ - a chemical reaction in which a compound is broken down into simpler compounds or elements





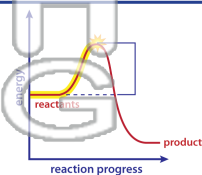
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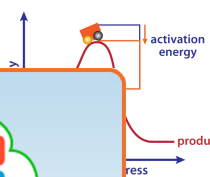
Chemical change Conservation of mass Activation energy Chemical property

Decomposition reaction Combustion Chemical reaction Catalyst

1. **activation energy** - the minimum amount of energy needed to start a chemical reaction



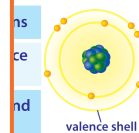
2. **catalyst** - a substance that changes the rate of a chemical reaction by lowering the activation energy; enzymes are an example of catalysts



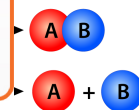
3. **chemical change**



4. **chemical change**

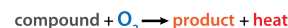


5. **chemical change**



PREVIEW
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6. **combustion** - a reaction between oxygen and another substance, usually an organic material; the burning of organic material



7. **conservation of mass** - matter is not created or destroyed in a chemical reaction; the mass of the reactants must equal the mass of the products

mass of reactants = mass of products



8. **decomposition reaction** - a chemical reaction in which a compound is broken down into simpler compounds or elements

