

What is a chemical reaction?

Lesson Review

Write *true* if the statement is true. If the statement is false, change the underlined term to make the statement true. Write your answers in the spaces provided.

- _____ 1. The process by which new substances are formed is called a matter reaction.
- _____ 2. The speed of some chemical reactions can be changed.
- _____ 3. Increasing temperature is one way to slow down some chemical reactions.
- _____ 4. Any substance formed in a chemical reaction is called a product.
- _____ 5. In a chemical reaction, new substances with the same chemical and physical properties are formed.
- _____ 6. Rust is formed when iron reacts with the hydrogen in air.
- _____ 7. A substance that is present at the start of a chemical reaction is called a reactant.
- _____ 8. In a chemical reaction, the amount of matter present in the products must always be greater than the amount of matter present in the reactants.
- _____ 9. The law of conservation of matter states that matter cannot be created or destroyed.
- _____ 10. A product is a chemical that changes the rate of a chemical reaction.

Skill Challenge

Skills: *interpreting a diagram, analyzing*

Study the diagram below. Then, answer the questions that follow.



1. What does the diagram represent? _____
2. What part of the diagram shows reactants? _____
3. What part of the diagram shows a product? _____
4. Describe the relationship between the amount of matter in parts A, B, and C of the diagram.
