

# What is a chemical equation?

## Lesson Review

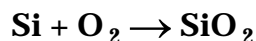
Answer the following questions in the spaces provided.

1. What is a chemical equation? \_\_\_\_\_  
\_\_\_\_\_
2. On which side of a chemical equation are the reactants written? \_\_\_\_\_
3. What does an arrow mean in a chemical equation? \_\_\_\_\_
4. What must happen for a chemical equation to be balanced? \_\_\_\_\_  
\_\_\_\_\_
5. What is a coefficient? \_\_\_\_\_  
\_\_\_\_\_
6. What is the chemical equation that shows the reaction between sodium and chlorine? \_\_\_\_\_  
\_\_\_\_\_
7. When writing a chemical equation, what must be written first? \_\_\_\_\_  
\_\_\_\_\_
8. What does the + sign mean in a chemical equation? \_\_\_\_\_
9. On which side of a chemical equation are the products shown? \_\_\_\_\_
10. Where should coefficients be placed when balancing a chemical equation? \_\_\_\_\_  
\_\_\_\_\_

## Skill Challenge

**Skills:** synthesizing, applying concepts

Use the chemical equation to answer the questions.



1. What are the reactants? \_\_\_\_\_
2. What is the product? \_\_\_\_\_
3. What part of the equation represents the term *and*? \_\_\_\_\_
4. What part of the equation represents *yields*? \_\_\_\_\_
5. Is the equation balanced? How do you know? \_\_\_\_\_  
\_\_\_\_\_