

## What is a double-replacement reaction?

### Lesson Review

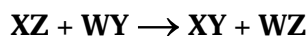
Write *true* if the statement is true. If the statement is false, change the underlined term to make the statement true. Write your answers in the spaces provided.

- \_\_\_\_\_ 1. In a double-replacement reaction, elements from two different compounds replace each other, forming two new compounds.
- \_\_\_\_\_ 2. A solid that settles to the bottom of a mixture is a reactant.
- \_\_\_\_\_ 3. Silver chloride forms in the reaction between silver nitrate and hydrogen.
- \_\_\_\_\_ 4. A double-replacement reaction that takes place between an acid and a base is called a neutralization reaction.
- \_\_\_\_\_ 5. Magnesium carbonate can be used to break down hydrochloric acid produced in the stomach.
- \_\_\_\_\_ 6. The precipitate formed in double-replacement reactions is a liquid.
- \_\_\_\_\_ 7. In a neutralization reaction, an acid and a base combine to form a salt and water.
- \_\_\_\_\_ 8. The general equation for a double-replacement reaction is  
 $AB + CD \rightarrow AD + CB$ .
- \_\_\_\_\_ 9. A reaction between aluminum sulfate and barium chloride produces the precipitate barium sulfate.

### Skill Challenge

**Skills:** synthesizing, relating

Use the equation to answer the questions.



1. What kind of reaction does the equation show? \_\_\_\_\_
2. What letter represents the element that switches places with the element represented by Y?  
\_\_\_\_\_
3. What kind of substance often forms as a result of the reaction shown by the equation?  
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