

Name: \_\_\_\_\_

### Three types of chemical reactions

Select Synthesis, Decomposition, Replacement, or Double Replacement for the following definitions. Please note that combination or composition is another way to say a synthesis reaction.

1. In chemistry when two or more elements or compounds combine to make a more complex reaction \_\_\_\_\_

2. A reaction occurs when compounds break down into simpler products.  
\_\_\_\_\_

3. When one element replaces another element in a compound, or if two elements in different compounds trade places. \_\_\_\_\_

4. Elements in a compound appear to trade places with the elements in another compound, this is called \_\_\_\_\_

Select Synthesis, Decomposition, Replacement, or Double Replacement for the following equations.



