

Learning Target: I can identify and explain the different types of chemical reactions  
Learning Target: I can explain how the different types of chemical reactions demonstrate the law of conservation of mass/energy.



[Types of Chemical Reactions 101 Video Notes](#)

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1. What are the four types of chemical reactions? \_\_\_\_\_  
\_\_\_\_\_
2. What is a synthesis reaction? Give an example of it below. \_\_\_\_\_  
\_\_\_\_\_
3. What is a decomposition reaction? Give an example of it below. \_\_\_\_\_  
\_\_\_\_\_
4. What is a single replacement reaction? Give an example of it below. \_\_\_\_\_  
\_\_\_\_\_
5. What is a double replacement reaction? Give an example of it below. \_\_\_\_\_  
\_\_\_\_\_

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6. Fill in the following table:

Type of Reaction	Definition	Equation
<i>Synthesis</i>		
<i>Decomposition</i>		
<i>Single Replacement</i>		
<i>Double Replacement</i>		

#### Quiz Review Part 1

1. Occurs when one element replaces another one in a compound \_\_\_\_\_
2. Two or more elements or compounds combine to make a more complex substance \_\_\_\_\_
3. Occurs when different atoms in two different compounds trade places \_\_\_\_\_
4. Compounds break down into simpler substances \_\_\_\_\_

#### Quiz Review Part 2

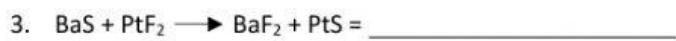
1.  $AB + CD \rightarrow AC + BD =$  \_\_\_\_\_
2.  $A + B \rightarrow AB =$  \_\_\_\_\_
3.  $AB \rightarrow A + B =$  \_\_\_\_\_
4.  $AB + C \rightarrow AC + B =$  \_\_\_\_\_

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**Quiz Review**



Scan the QR Code to take the Quiz!!!

