

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

1. $\text{P}_4 + \text{O}_2 \longrightarrow \text{P}_2\text{O}_3 =$ _____
2. $\text{CF}_4 + \text{Br}_2 \longrightarrow \text{CBr}_4 + \text{F}_2 =$ _____
3. $\text{BaS} + \text{PtF}_2 \longrightarrow \text{BaF}_2 + \text{PtS} =$ _____
4. $\text{HgO} \longrightarrow \text{Hg} + \text{O} =$ _____

Scan the QR Code to take the Quiz!!!

