

# REACTANTS AND PRODUCTS

**Chemical Equation:** We know that chemical equations have reactants and products.

- **Reactants** are **used up** in chemical reactions.
- **Products** are **created** in chemical reactions.

Choose the correct word (reactant or product) that best fits each description.

Question	Answer
Found on the left side of the equation.	
In the equation $\text{Na} + \text{Cl} \rightarrow \text{NaCl}$ , it's the NaCl molecule.	
Molecules that enter into a chemical reaction.	
You witness a chemical reaction. Afterwards, you see water vapor has condensed on the sides of the container. Water must be a ....	
Found on the right side of the equation.	
Molecules that decrease during a chemical reaction.	
In the equation $\text{Na} + \text{Cl} \rightarrow \text{NaCl}$ , it's the Na and the Cl molecules.	
Molecules that are formed in a chemical reaction.	
Molecules that increase during a chemical reaction.	
The statue of liberty is made of copper. Over the years it has reacted with oxygen to create a copper oxide, which is what makes it green. Copper and oxygen are examples of...	

## Formula:

Read the following scenario. Then drag each word and symbol into the correct spot in the formula.

When car engines run, they often produce toxic gases such as carbon monoxide ( $\text{CO}$ ). Modern cars use a device called a catalytic converter to reduce the amount of carbon monoxide released into the environment. The catalytic converter combines carbon monoxide and oxygen ( $\text{O}_2$ ) to form carbon dioxide ( $\text{CO}_2$ ). While too much carbon dioxide can harm the environment, this gas is less toxic than carbon monoxide.



Reactants			Products		
CO	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>