



High School Science Virtual Learning

College Chemistry

Types of Chemical Reactions

Virtual Lab

May 19, 2020



High School College Chemistry

Lesson: May 19, 2020

Objective/Learning Target:

Students will complete a virtual lab to reinforce their understanding of chemical reactions.



Let's Get Started:

1. Which of the following are chemical reactions?
 - a. Paper burning
 - b. Ice melting
 - c. Sugar dissolving
 - d. Food being digested
2. What is the key difference between chemical and physical changes?



Let's Get Started: **Answer Key**

1. Which of the following are chemical reactions?
 - a. **Paper burning (Chemical)**
 - b. Ice melting (Physical)
 - c. Sugar dissolving (Physical)
 - d. **Food being digested (Chemical)**
2. What is the key difference between chemical and physical changes? **Chemical changes form a new substance, but the substance does not change for a physical change.**



Lesson Activity:

Directions:

1. Check your answers against this [answer key](#).
2. For an explanation of the types of chemical reactions, watch [here](#).

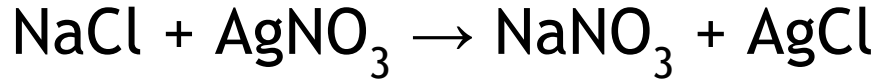


Practice

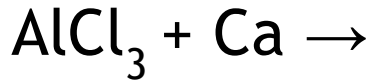
Complete the following questions using the information you learned during the lesson activity.

Questions:

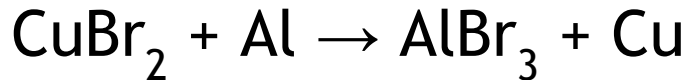
1. What type of reaction is shown by the equation below?



2. Predict the products of the following reaction.



3. Balance the following equation.

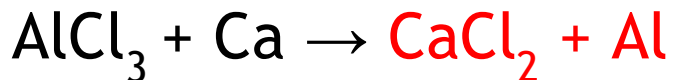


Once you have completed the practice questions check with the **answer** key.

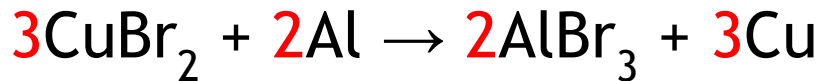
1. What type of reaction is shown by the equation below?



2. Predict the products of the following reaction.



3. Balance the following equation.





Additional Practice:

Click on this [link](#) to see some more examples of chemical reactions. Do not try these at home.

There is a worksheet and answer key in the description of the video if you would like more practice.