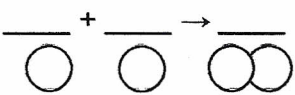
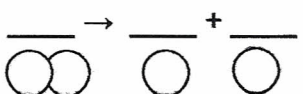
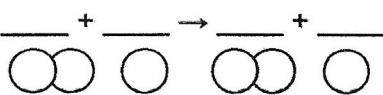
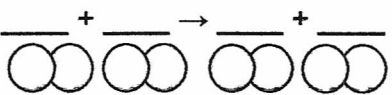


# Chemical Reactions

Name \_\_\_\_\_

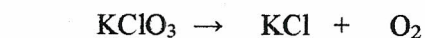
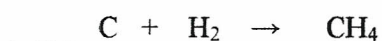
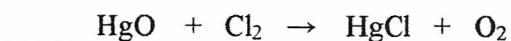
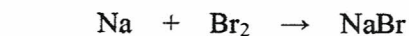
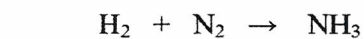
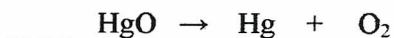
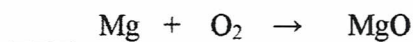
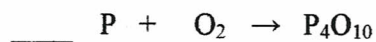
## 1. Watch the video and then complete the chart.

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

Colors: A = Red, B = Blue, C = Green, D = Yellow

## 2. Use colored pencils to circle the common atoms or compounds in each equation to help you determine the type of reaction it illustrates. Use the code below to classify each reaction.

S = Synthesis    D = Decomposition    SR = Single Replacement    DR = Double Replacement







## Chemical Reactions

## ANSWER KEY

1. Watch the video and then complete the chart.

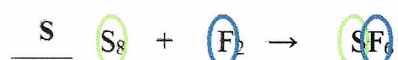
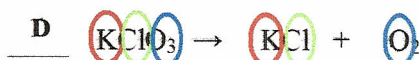
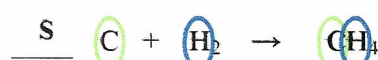
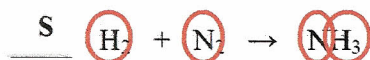
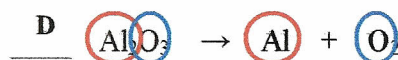
Teacher notes on next page!

Type of Reaction	Definition	★ Equation
Synthesis	Two or more elements or compounds combine to make a more complex substance	$A + B \rightarrow AB$ 
Decomposition	Compounds break down into simpler substances	$AB \rightarrow A + B$ 
Single Replacement	Occurs when one element replaces another one in a compound	$AB + C \rightarrow AC + B$ 
Double Replacement	Occurs when different atoms in two different compounds trade places	$AB + CD \rightarrow AC + BD$ 

Colors: A = Red, B = Blue, C = Green, D = Yellow

2. Use colored pencils to circle the common atoms or compounds on each side of the equations to help you determine the type of reaction it illustrates. Use the code below to classify each reaction.

S = Synthesis    D = Decomposition    SR = Single Replacement    DR = Double Replacement



Note:  $\text{SO}_4$  is a polyatomic ion.