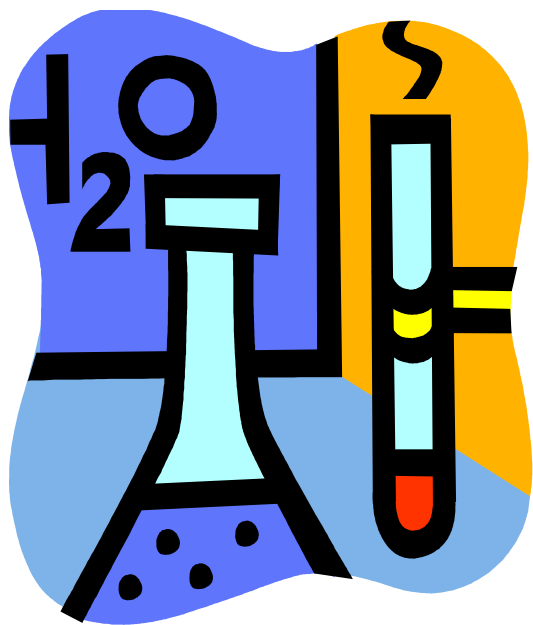


Chemical Reactions



8th Grade Science

Watch this first

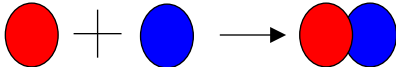
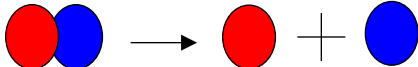
<https://www.youtube.com/watch?v=qVWkTBSRElo>

- <https://www.youtube.com/watch?v=g-biRwAVTV8>

- Alternate video:

- <https://www.youtube.com/watch?v=p9a-gyXxbso>

Watch the movie and then complete the chart.

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	$AB + CD \rightarrow AC + BD$ 

A = Red B = Blue C = Green D = Yellow

Identifying Chemical Reactions

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

