

Chemical Reactions

Name _____

1. Watch the video and then complete the chart.

Type of Reaction	Definition	★ Equation
Synthesis		$\text{---} + \text{---} \rightarrow \text{---}$ ○ ○ → ○○
Decomposition		$\text{---} \rightarrow \text{---} + \text{---}$ ○○ → ○ ○
Single Replacement		$\text{---} + \text{---} \rightarrow \text{---} + \text{---}$ ○○ + ○ → ○○ + ○
Double Replacement		$\text{---} + \text{---} \rightarrow \text{---} + \text{---}$ ○○ + ○○ → ○○ + ○○

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

