

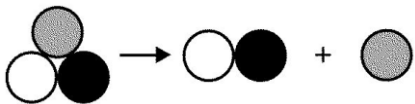



Types of Chemical Reactions Worksheet

Name: Grade: ID:

Directions: Which type of chemical reaction is each of these? Use these terms:

Synthesis Decomposition Single Displacement Double Displacement Combustion

- 1 $\text{KClO}_3 \rightarrow \text{KCl} + \text{O}_2$ Decomposition
- 2 $\text{NaOH} + \text{FeCl}_3 \rightarrow \text{NaCl} + \text{Fe(OH)}_3$ Double Displacement
- 3 $\text{K} + \text{H}_2\text{O} \rightarrow \text{KOH} + \text{H}_2$ Single Displacement
- 4 $\text{CaBr}_2 + \text{Na}_2\text{CO}_3 \rightarrow \text{CaCO}_3 + \text{NaBr}$ Double Displacement
- 5 $\text{C}_{12}\text{H}_{22}\text{O}_{11} + 12 \text{O}_2 \rightarrow 12 \text{CO}_2 + 11 \text{H}_2\text{O}$ Combustion
- 6  Synthesis/Combination
- 7  Single Displacement
- 8  Decomposition
- 9  Double Displacement
- 10 Two or more substances form a new substance Synthesis/Combination
- 11 One substance breaks down into two or more simpler substances Decomposition
- 12 One element replaces another element in a compound Single Displacement
- 13 Two compounds are combined and switch partners Double Displacement
- 14 Burning results in water and carbon dioxide Combustion
- 15 $\text{A} + \text{B} \rightarrow \text{AB}$ Synthesis/Combination
- 16 $\text{AB} \rightarrow \text{A} + \text{B}$ Decomposition
- 17 $\text{AB} + \text{CD} \rightarrow \text{AD} + \text{CB}$ Double Displacement
- 18 $\text{AB} + \text{C} \rightarrow \text{AC} + \text{B}$ Single Displacement