

Group Names:

Correctly place the cards into the correct category.

Then correctly identify each category's phrase using the words in the corner.

Synthesis:

Single Replacement:

Decomposition:

Double Replacement:

Synthesis Reaction <i>The</i>	Decomposition Reaction <i>The</i>	Single Replacement Reaction <i>The</i>
Double Replacement Reaction <i>The</i>	$\text{Al} + \text{Fe}_3\text{N}_2 \rightarrow \text{AlN} + \text{Fe}$ <i>Over</i>	$\text{C}_3\text{H}_8 + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$ <i>The Farm</i>
$\text{T} + \text{S} \rightarrow \text{TS}$ <i>Red</i>	$\text{XYZ} \rightarrow \text{X} + \text{YZ}$ <i>Green</i>	$\text{KM} + \text{L} \rightarrow \text{KL} + \text{M}$ <i>Black</i>
$\text{N}_2 + \text{H}_2 \rightarrow \text{NH}_3$ Truck	$\text{Zn} + \text{HCl} \rightarrow \text{ZnCl}_2 + \text{H}_2$ <i>Bicycle</i>	$\text{Ag}_2 \rightarrow \text{Ag} + \text{O}$ <i>Cart</i>
$\text{S}_8 + \text{O}_2 \rightarrow \text{SO}_3$ Drove	$\text{CaCO}_3 \rightarrow \text{CaO} + \text{CO}_2$ <i>Went</i>	$\text{K} + \text{MgBr} \rightarrow \text{KBr} + \text{Mg}$ <i>Slid</i>
$\text{AD} + \text{BC} \rightarrow \text{AC} + \text{BD}$ <i>Blue</i>	$\text{BBr}_3 + \text{HNO}_3 \rightarrow \text{B}(\text{NO}_3)_3 + \text{HBr}$ <i>Scooter</i>	$\text{KBr} + \text{Fe}(\text{OH})_3 \rightarrow \text{KOH} + \text{FeBr}_3$ <i>Fell</i>
$\text{Ca}(\text{NO}_3)_2 + \text{Li}_2\text{S} \rightarrow \text{CaS} + \text{LiNO}_3$ <i>Off</i>	$\text{S} + \text{Cu} \rightarrow \text{CuS}$ <i>Down</i>	$\text{P}_4 + \text{O}_2 \rightarrow \text{P}_2\text{O}_3$ <i>The Tracks</i>
$\text{Pb}(\text{OH})_2 + \text{HCl} \rightarrow \text{H}_2\text{O} + \text{PbCl}_2$ <i>The Hill</i>	$\text{HgO} \rightarrow \text{Hg} + \text{O}_2$ <i>Through</i>	$\text{Al}_2\text{O}_3 \rightarrow \text{Al} + \text{O}_2$ <i>The Mountain</i>