

# Instructional Master

## Chemical Reactions

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**Table 1** Chemical Reactions

Reaction type	Generalization
formation	elements $\rightarrow$ compound
simple decomposition	compound $\rightarrow$ elements
complete combustion	substance + oxygen $\rightarrow$ most common oxides
single replacement	element + compound $\rightarrow$ element + compound (metal + compound $\rightarrow$ metal + compound nonmetal + compound $\rightarrow$ nonmetal + compound)
double replacement	compound + compound $\rightarrow$ compound + compound