

Synthesis

(Special Case: Combustion)

Decomposition

Single Displacement

Double Displacement

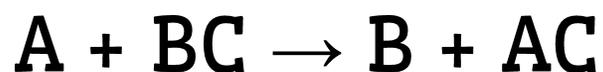


Synthesis: Two compounds are combined to make a more complex one.

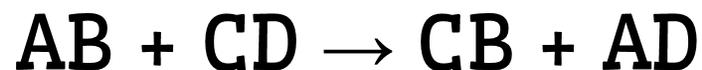
Combustion: Hydrocarbons react with oxygen to make water vapor, carbon dioxide, and heat.



Decomposition: A molecule breaks apart into simpler compounds.



Single Displacement: A pure element switches places with an element in a chemical compound.



Double Displacement: The cations of two chemical compounds switch places.