

Chemical Reactions

Synthesis

(Combination/Composition)

two or more substances forming one compound



Decomposition

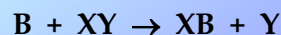
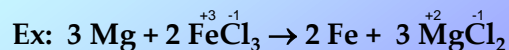
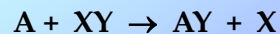
breaking down a compound into simpler substances (often by using heat)



Single Replacement

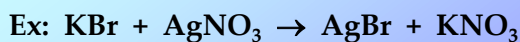
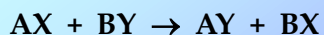
(Single Displacement)

a single element replaces an ion of a compound



Double Replacement

two compounds switch ions



Combustion

a hydrocarbon reacts with oxygen forming carbon dioxide and water

