Chp 8: Types of Reactions

Synthesis: \[ A + X \rightarrow AX \]

Decomposition: \[ AX \rightarrow A + X \]

Single Replacement: \[ A + BX \rightarrow AX + B \]

Double Displacement: \[ AX + BY \rightarrow AY + BX \]

Combustion: \[ \text{Hydrocarbon} + O_2 \rightarrow CO_2 + H_2O \] (C-H combo)