

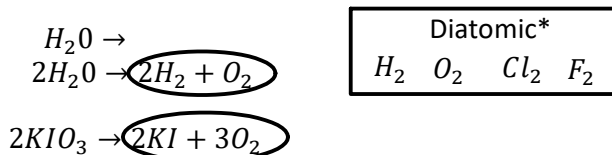
C11 - 2.2 - Predict/Types of Reactions Notes

Synthesis : $A + B \rightarrow AB$ Combine

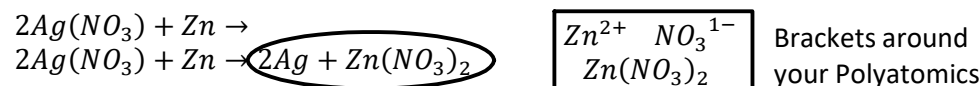
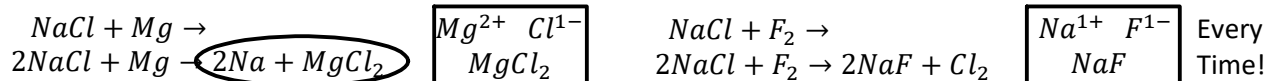
Reactants \rightarrow Products



Decomposition : $AB \rightarrow A + B$ Separate



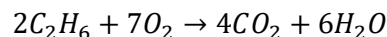
Single Replacement : $AB + C \rightarrow AC + B$ Metals trade non-metal/Non-metals trade metal



Double replacement : $AB + CD \rightarrow AD + CB$ Metals trade non-metals Not Always



Combustion : $C_xH_y + O_2 \rightarrow CO_2 + H_2O$ Hydrocarbon + Oxygen \rightarrow Carbon Dioxide + Water



Neutralization : $HA + BOH \rightarrow AB + H_2O$ Acid + Base \rightarrow Salt + Water

