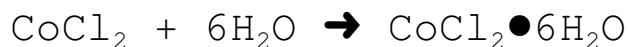
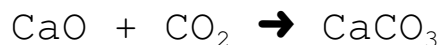
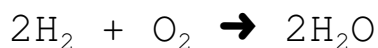


Types of Chemical Reactions

1. Synthesis
2. Decomposition
3. Single Replacement (Displacement)
4. Double Replacement (Displacement)
5. Hydrocarbon Combustion

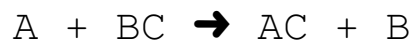
Synthesis: two or more substances combine to make one compound



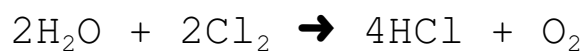
Decomposition: one compound decomposes to form two or more substances (substances could be elements or compounds)



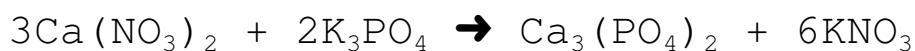
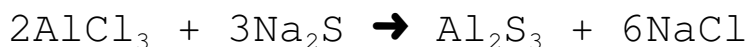
Single Replacement: one element replaces another element in a compound



or



Double Replacement: switching of cation/anion pairs



Combustion of a Hydrocarbon: a hydrocarbon (C_xH_y) reacts with O_2 to form CO_2 and H_2O

