Synthesis reaction

A + B 🡪 AB

Ex. 3Mg + N2 🡪 Mg3N2





+ 🡪

Decomposition Reaction

AB 🡪 A + B

Ex. 2AuCl3 🡪 2Au + 3Cl2



🡪 +

Single Replacement Reaction

AB + C 🡪 AC + B

Ex. 3PbCl4 + 4Al 🡪 4AlCl3 + 3Pb



+ 🡪 +

Double Replacement Reaction

AB + CD 🡪 AC + BD

Ex. 3NaOH + FeCl3 🡪 3NaCl + Fe(OH)3



+ 🡪 +