Classifying Chemical Reactions

Sample Equation	Clues for Recognizing Reaction Type
Gen: A + B → AB ● ● → ● Ex: Na + Cha → NaCl	one product
Gien: AB A + B Ex: H20 -> H2 + 02	one reactant
Gen: A+BC → B+AC + → + • Ex: Mg+Nacl → Na+MgClg	Ope single element on each side
Gen: AB + CD -> CB + AD Ex: AgNO3 + Nacl -> Na NO3 + AgCl	two compounds on each side
Gen: $A + 0_a \rightarrow AO$ $AB + 0_a \rightarrow Co_a + H_aO$ EX: $C + 0_a \rightarrow Co_a$	+ 02 (reactant)
	Gen: $A + B \rightarrow AB$ Ex: Na + Cla \rightarrow NaCl Gen: $AB \rightarrow A + B$ Ex: H ₂ O $\rightarrow H_2 + O_2$ Gen: $A + BC \rightarrow B + AC$ $+ B + CD \rightarrow CB + AD$ Ex: Mg + NaCl $\rightarrow Na + MgCl_2$ Gen: $AB + CD \rightarrow CB + AD$ Ex: AgNO3 + Nacl $\rightarrow Na NO3 + AgCl$ Gen: $A + O_2 \rightarrow AO$ $AB + O_2 \rightarrow CO_2 + H_2O$

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