

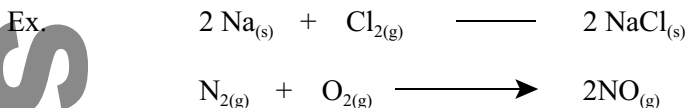
Types of Chemical Reactions

SNC2D_06 - 07

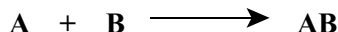
[Text-Book Reference: Section 6.7, pages 233 – 235, Section 6.10, pages 240 – 241](#)

Many of the reaction you will encounter in this class can be classified under 4 reaction types.

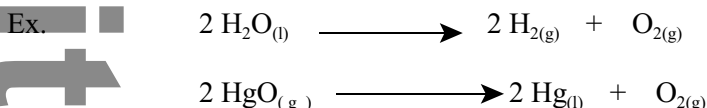
1. **Synthesis or Combination** reactions are those in which a compound is formed from simpler substances.



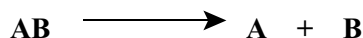
Their general format is:



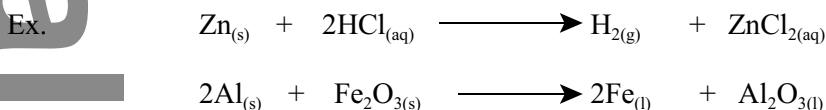
2. **Decomposition** reactions are the opposite of synthesis reactions and consist of a compound breaking down into simpler substances or smaller units.



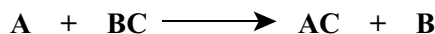
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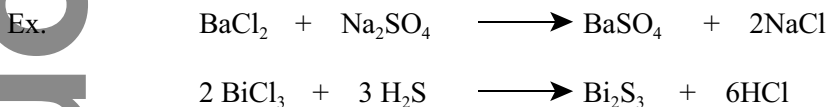
3. **Single Displacement** reactions involve one element or atom taking the place of another in a compound.



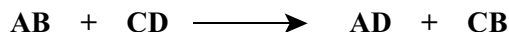
Their general format is:



4. **Double Displacement** reactions are like the single displacement reactions except that compounds exchange (trade) atoms.



Their general format is:



Assignment

1. Section 6.7, page 235, Understanding Concepts, # 1,2, 3,4,5,6
2. Section 6.10, page 241, Understanding Concepts, # 1,2, 3