

Type of reactions

chemical reactions can be defined as the changes in which some new chemical substances are formed.

- Reactants: these are substances which undergoes chemical changes.
- Products: these are new substances formed from chemical reactions.

Types of reactions
combination reactions

- imagine:

a friend gifting 2 soda you really love to drink and then you pour the both of them into a cup that's exactly what combination reaction is all about.

This is the reaction when two or more substances combine to form a single compound, combination reaction can happen between:

- element + element => compound
- compound + compound => bigger compound

examples:

- $\text{PbO}_{2(s)} + \text{SO}_{2(g)} \Rightarrow \text{PbSO}_{4(s)}$
- $\text{Fe}_{(s)} + \text{S}_{(s)} \Rightarrow \text{FeS}_{(s)}$.

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