A condensation reaction is a reaction in which two or more reactants react, losing a small molecule, such as water, a low-molecular-weight alcohol, or ammonia, to afford a larger product, which is called the condensation product.

\[ A + B \rightarrow C + \text{small molecule} \]

eg. 1:

\[ \text{catalyst: strong acid} \]

eg. 2:

\[ 2 \text{ CH}_3\text{CHO} \rightarrow \text{CH}_2\text{CH}==\text{CHCHO} + \text{H}_2\text{O} \]

A condensation reaction may occur intramolecularly.

eg:

Most condensation reaction occur via addition-elimination.

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**Contributors**

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