An electrophilic addition is an addition reaction of an alkene or an alkyne that begins with the reaction of the alkene or alkyne with an electrophilic atom in another reactant.

eg. 1:

\[
\text{first step of the reaction:}
\]

\[
\begin{align*}
\text{H}_2\text{C} &= \text{CH}_2 & \text{H}_2\text{O} & \xrightarrow{\text{catalyst: conc. H}_2\text{SO}_4} & \text{H}_2\text{C} &= \text{CH}_2\text{OH}
\end{align*}
\]

eg. 2:

\[
\text{first step of the reaction:}
\]

\[
\begin{align*}
\text{H} &= \text{C} &= \text{C} &= \text{H} & \xrightarrow{\text{HBr} \ 1 \text{ eq.}} & \text{H}_2\text{C} &= \text{CHBr}
\end{align*}
\]

see also nucleophilic addition

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**Contributors**

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