

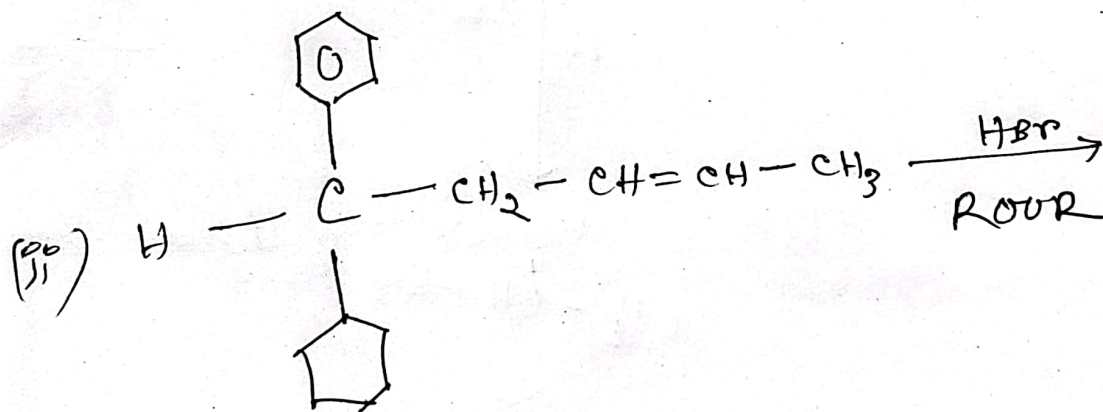
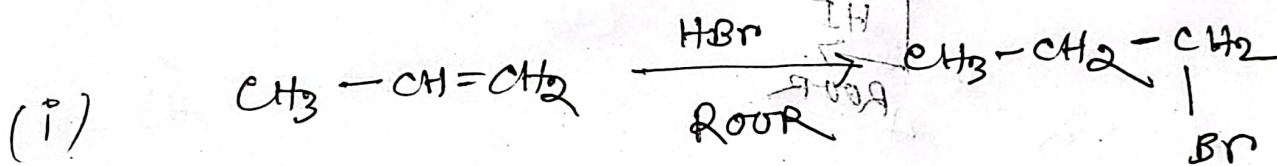
M.O. Rule: (Markovnikov's rule)

→ ବାହାରକୁ ଅଧିକ କିଛି ଦେଖାଏ

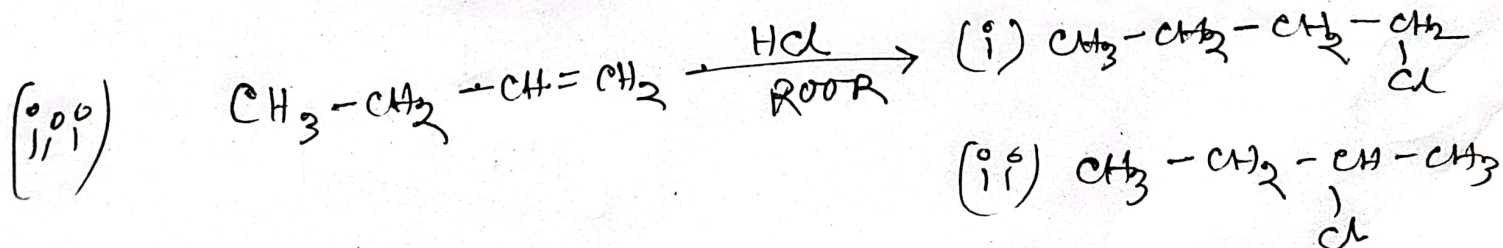
A.M.O. Rule: (Anti-Markovnikov's rule) ⇒ ସାହାର effect

→ ଉପରକୁ କିଛି ଦେଖାଏ

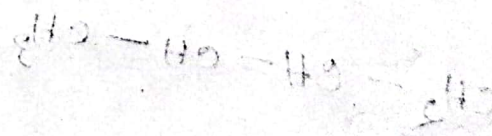
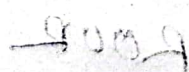
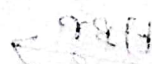
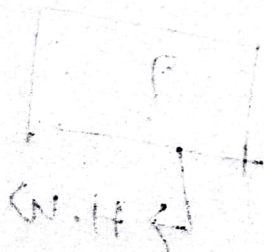
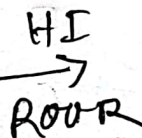
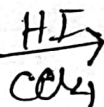
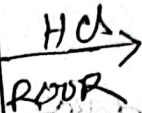
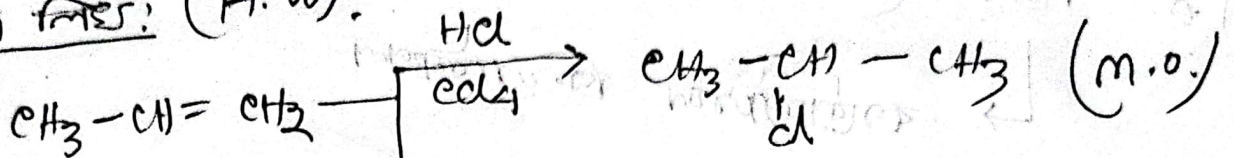
example:



$\boxed{?}$   
→ H.W.

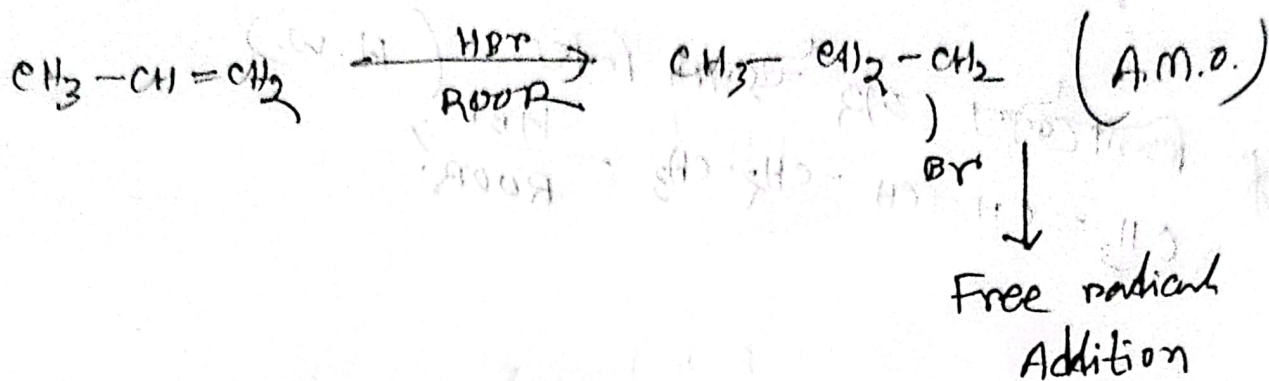


\* उत्पादन लिस्ट: (H.W).

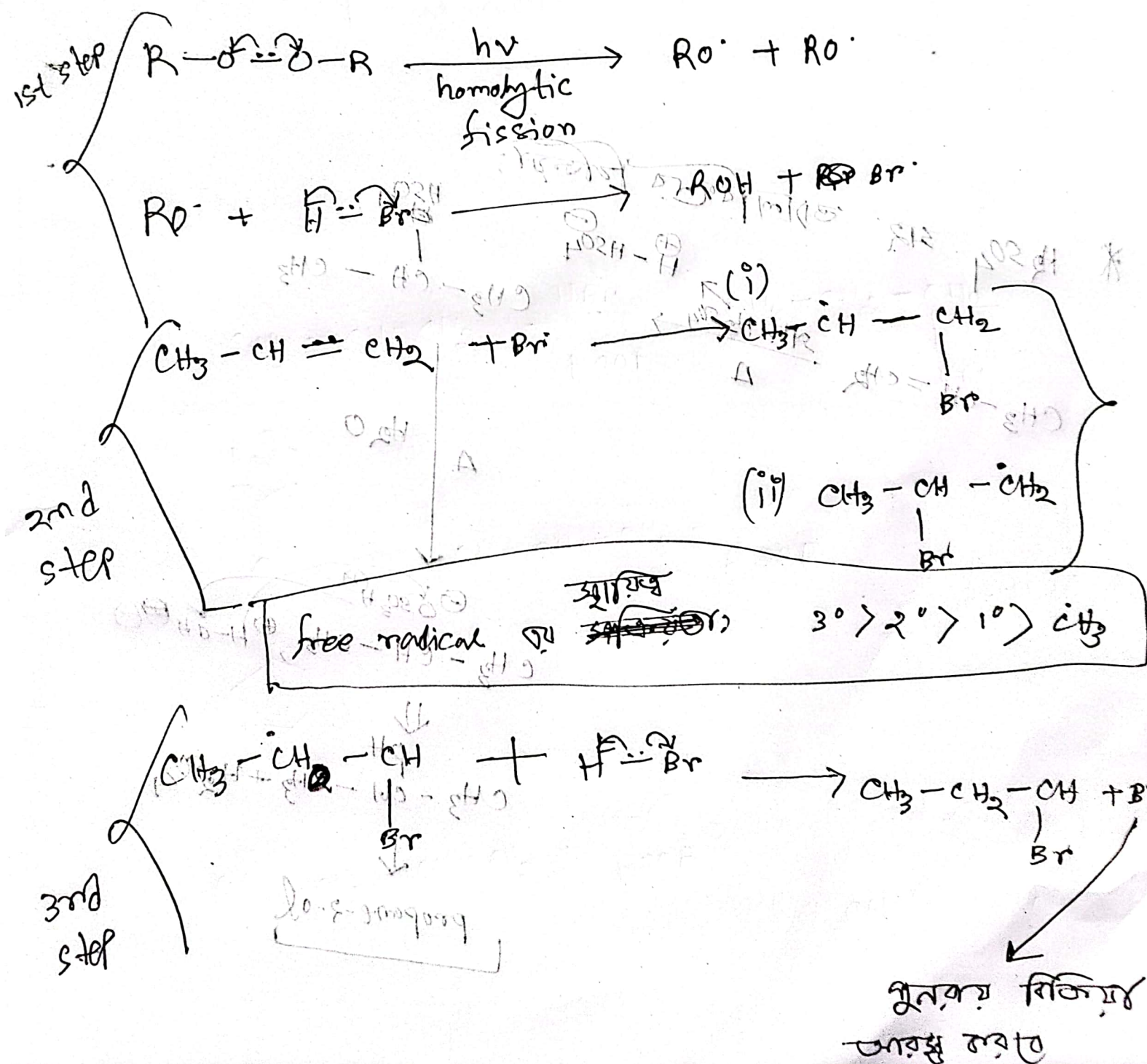




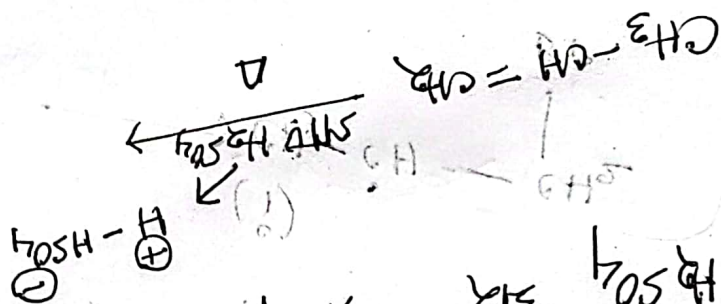
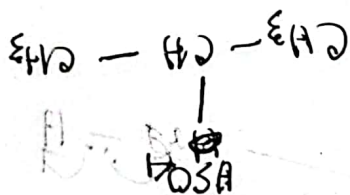
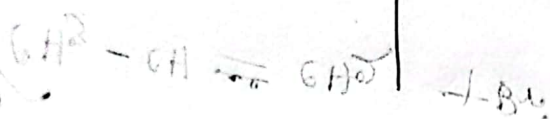
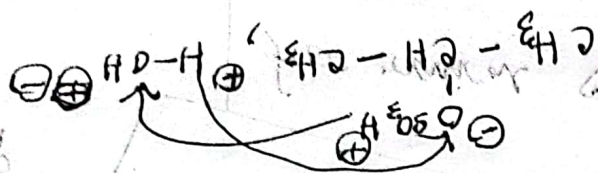
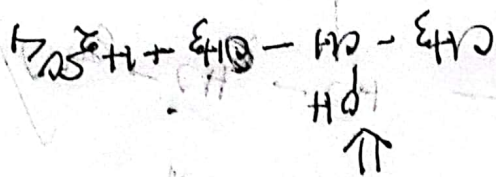
(\*)



Mechanism:



propane-2-one

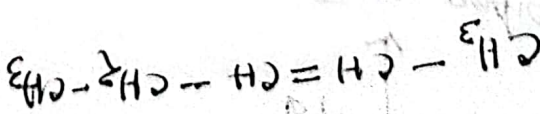
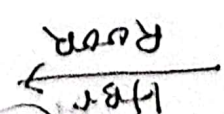


Reaction mechanism for the acid-catalyzed hydration of propan-2-one.

Step 1: Protonation of the carbonyl oxygen.



Step 2: Nucleophilic attack of water on the carbocation.

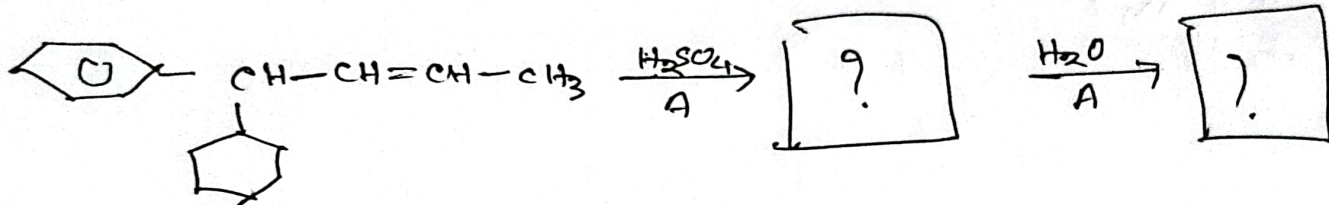


Overall reaction:  $\text{CH}_3\text{CH}_2\text{C}(=\text{O})\text{CH}_3 + \text{H}_2\text{O} \xrightarrow{\text{H}^+} \text{CH}_3\text{CH}_2\text{C}(\text{OH})_2\text{CH}_3$





H. W.



ଆନୁବିନ୍ୟାସ କର ଏବଂ ଉତ୍ତର ଦିଅ

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