

ELECTROPHILIC ADDITION REACTION [DEPTH OF BIOLOGY]

- Alkene are more reactive than alkane
- Addition reaction- atom or group simply added to substrate without any elimination.

ADDITION REACTION OF ALKENE-

[DEPTH OF BIOLOGY]

- π bond break & if 1 π bond break then 2 σ (**sigma**) bonds form

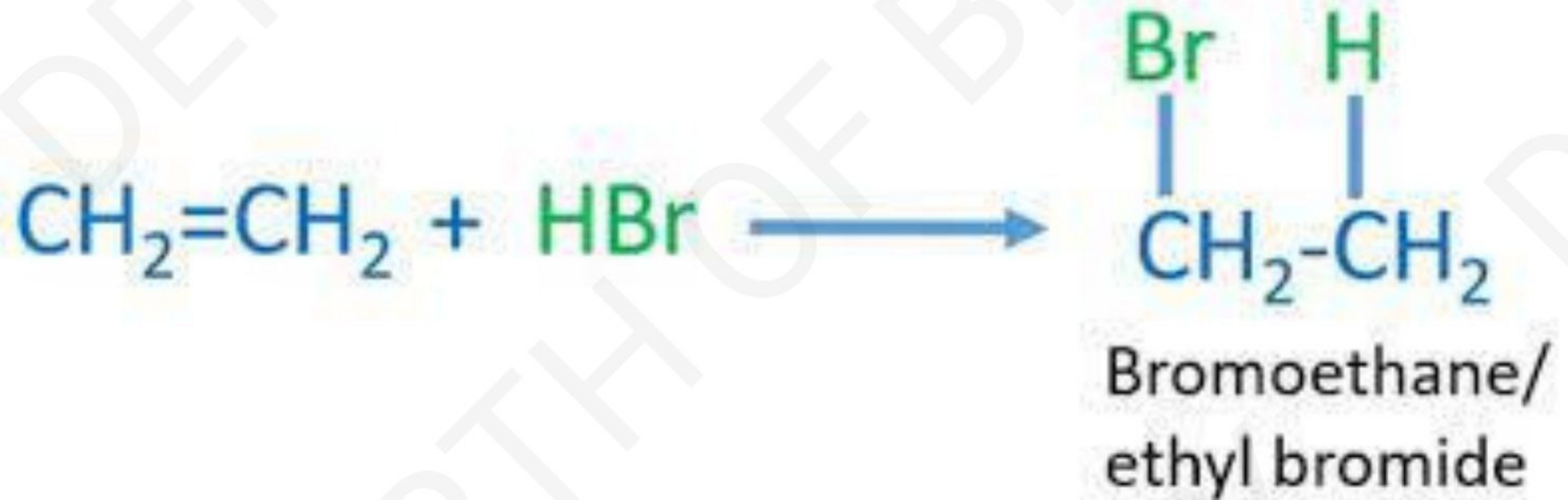


[DEPTH OF BIOLOGY]

- In double bond = the movement of electron is towards H

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- When an addition reaction involves initial attack by an electrophile ; it is known as EAR



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MECHANISM

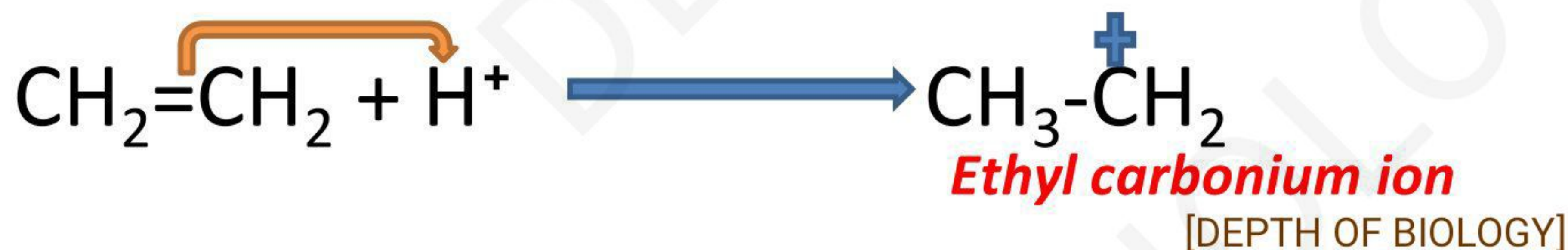
- The reagent (E-Nu) like H-Br, ionize to give electrophilic (H^+) & a negative ion (Nu-0) (Br^-)

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STEP-2

- Electrophile attack on π bond to form σ bond & carbonium ion.





[DEPTH OF BIOLOGY]