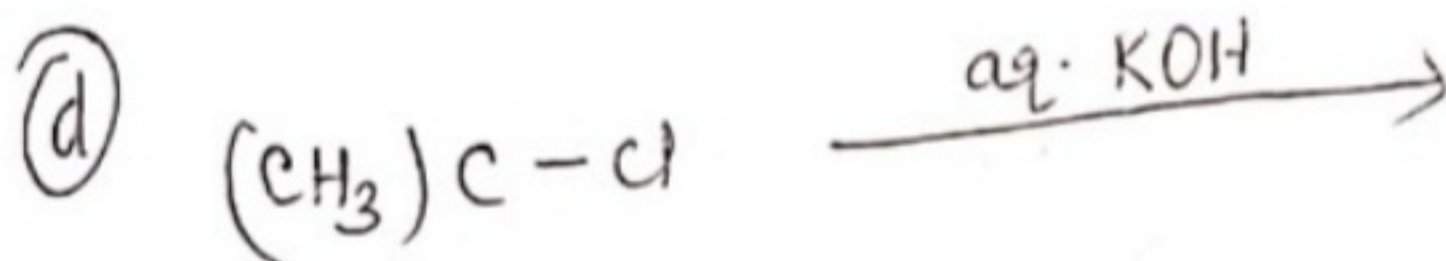
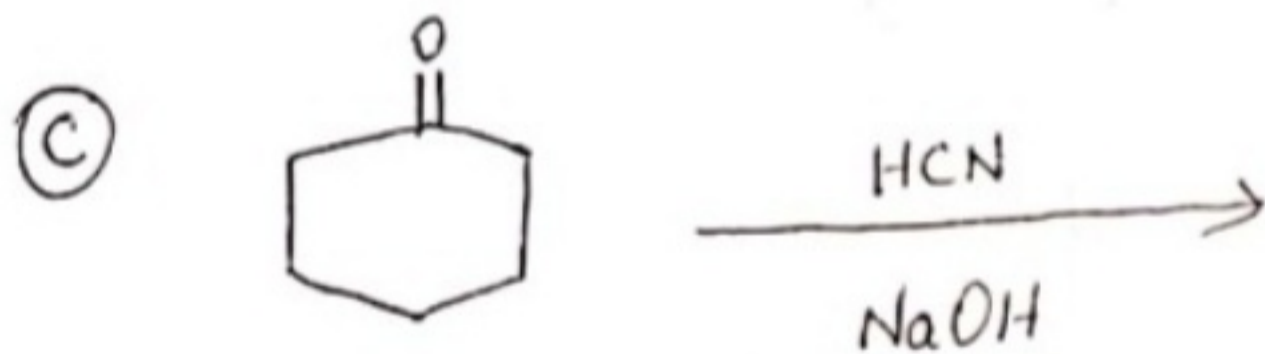
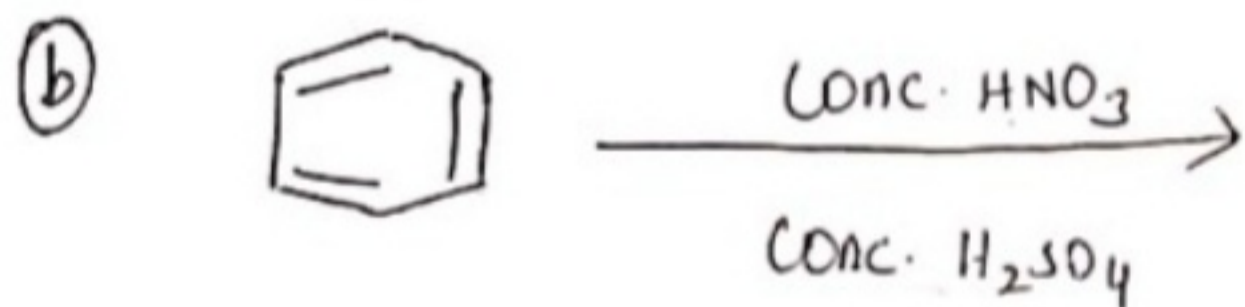
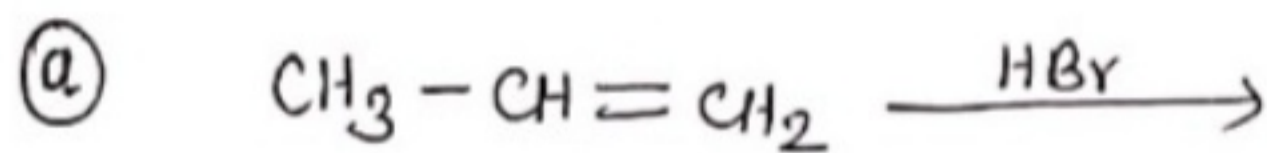


# IMPORTANT QUESTIONS 1.

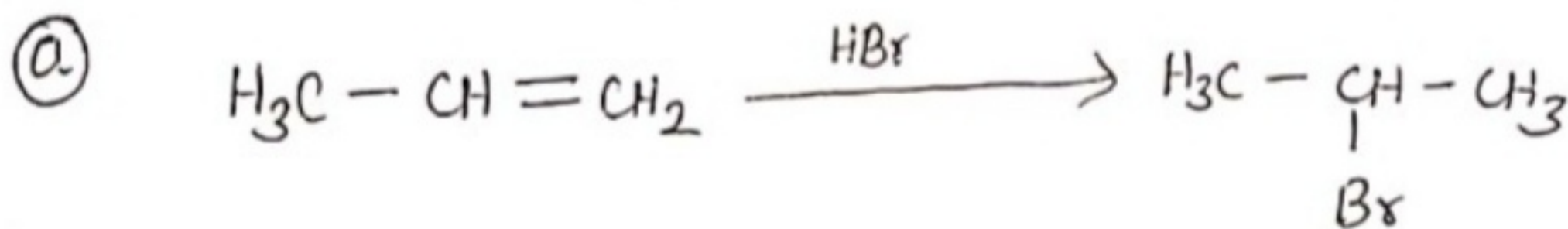
## DEGREE-I (HONS.)

By-Dr.Rinky ,Dept.of Chemistry ,15/10/2020

Predict the product giving the mechanism of the following :-

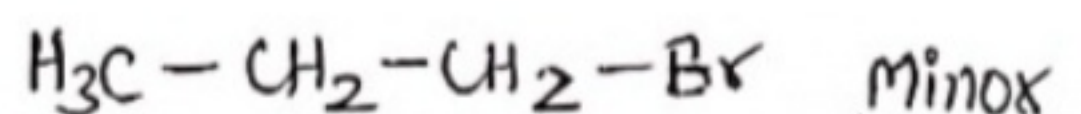


### SOLUTION



2-bromopropane (major)

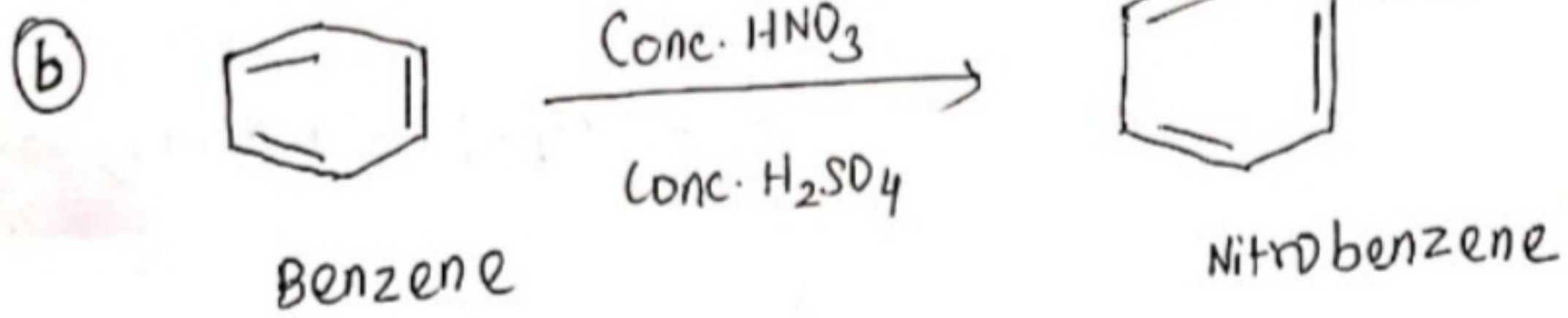
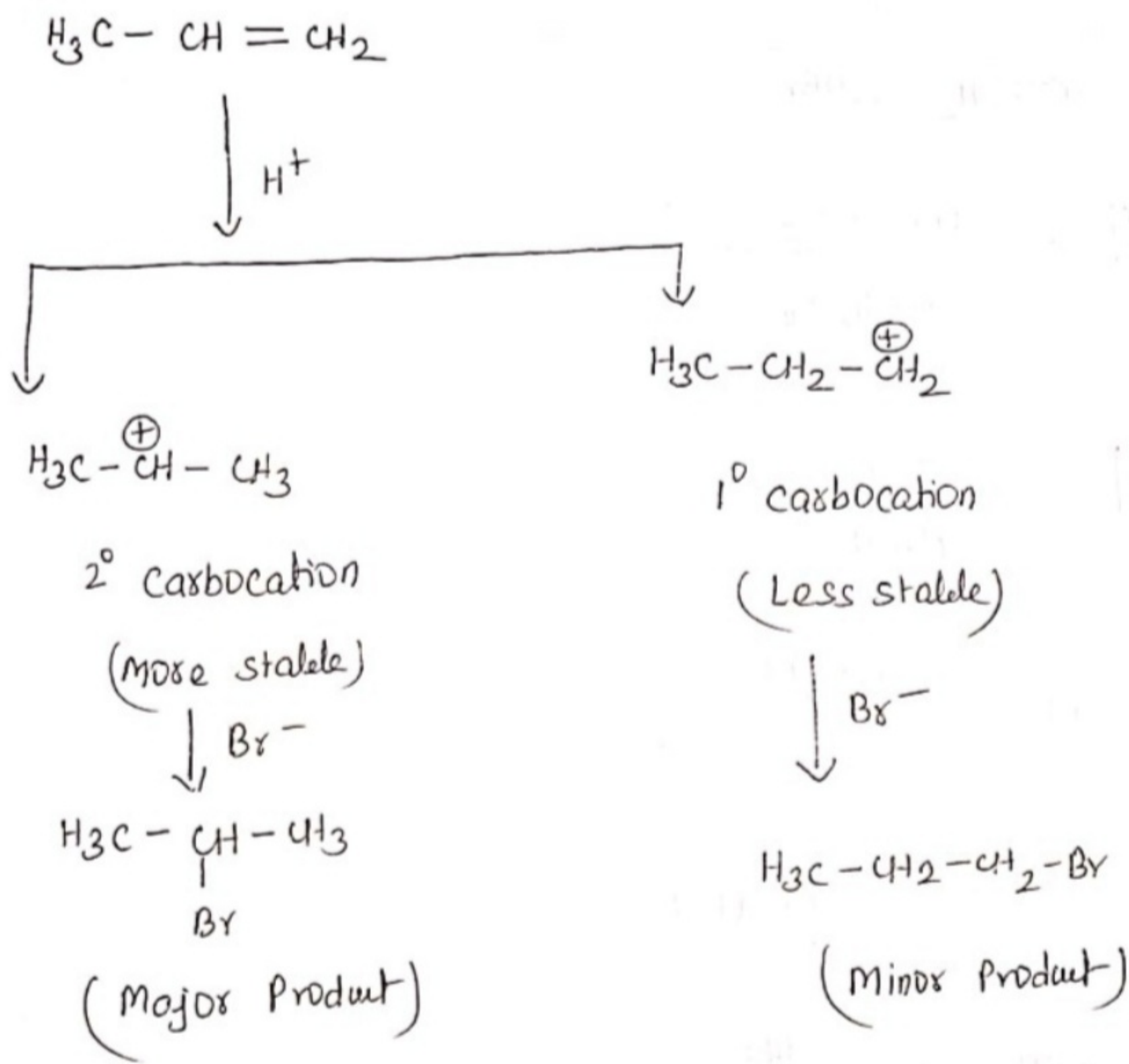
+



\* This is an electrophilic addition reaction.

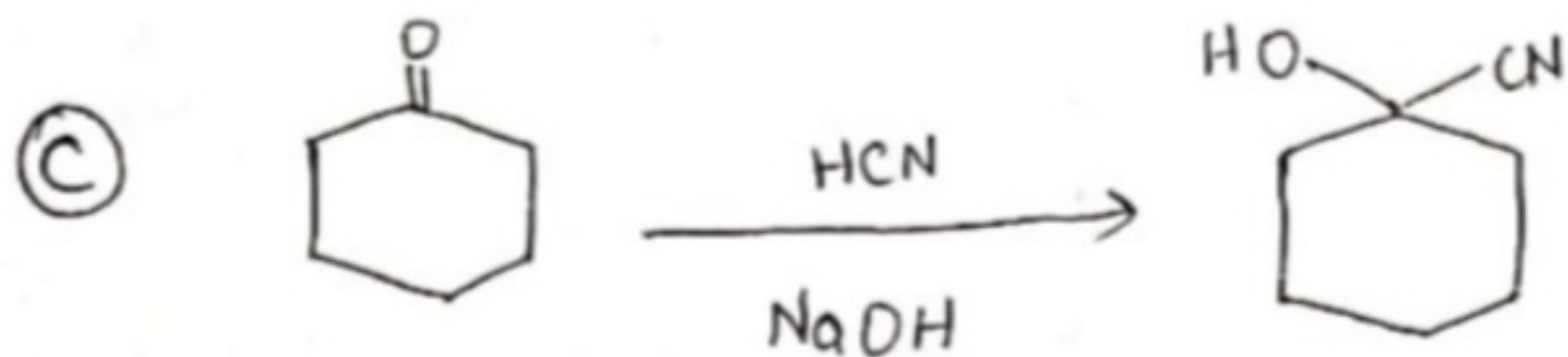
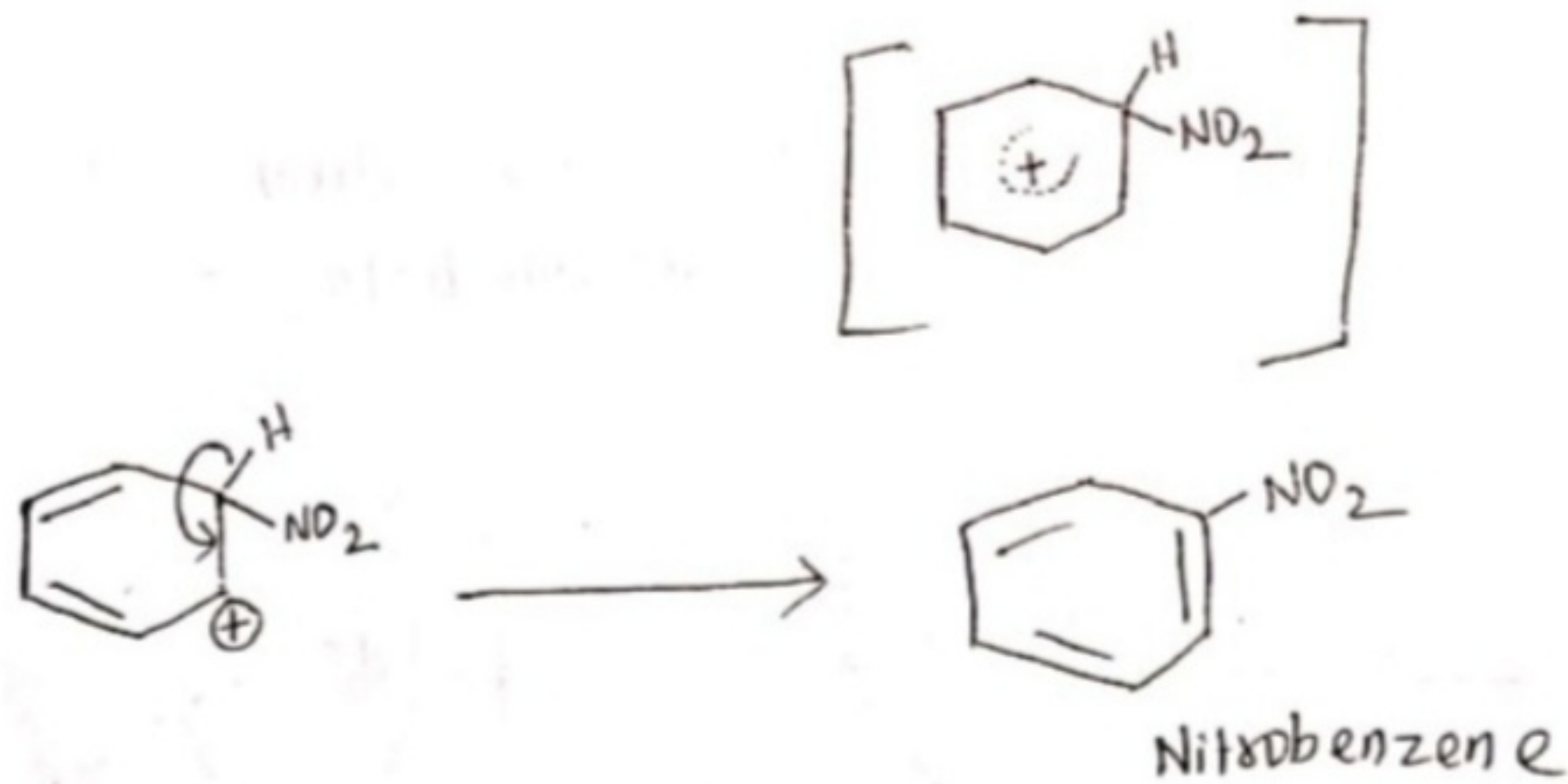
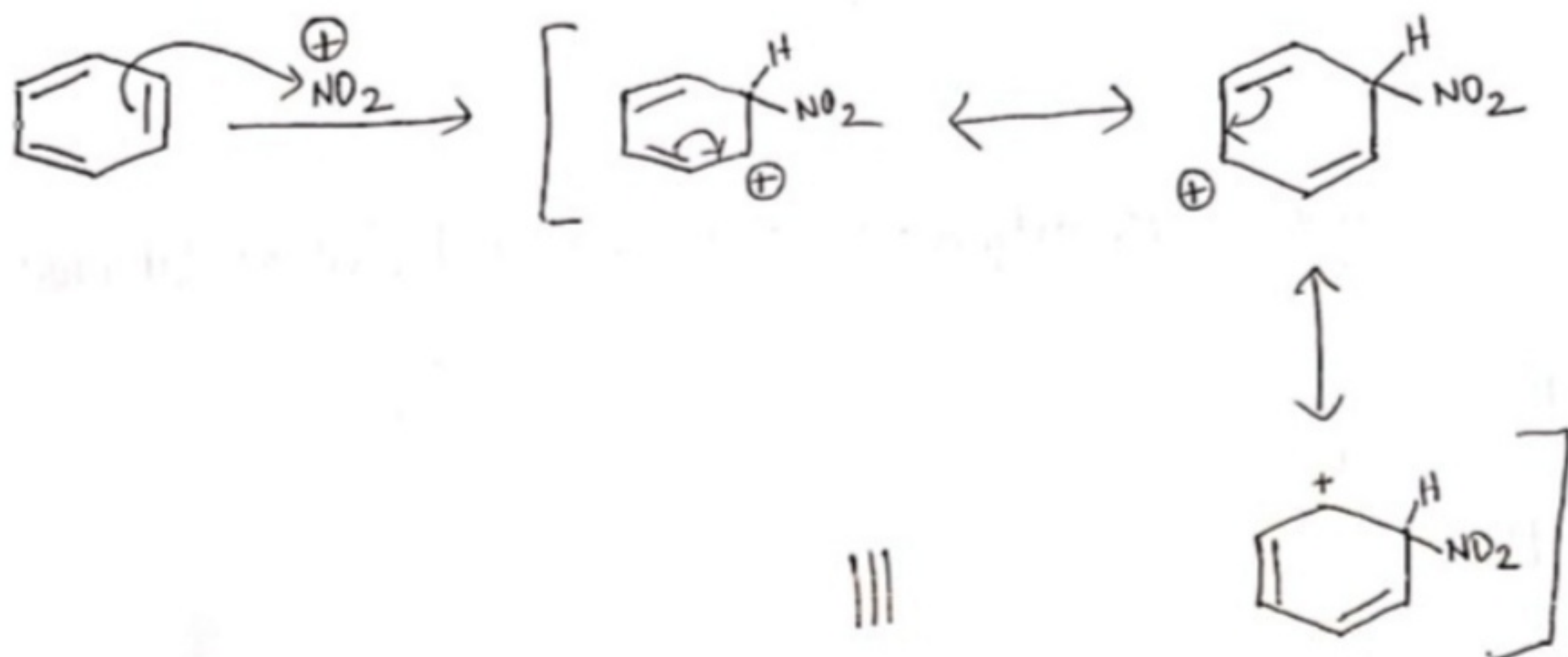
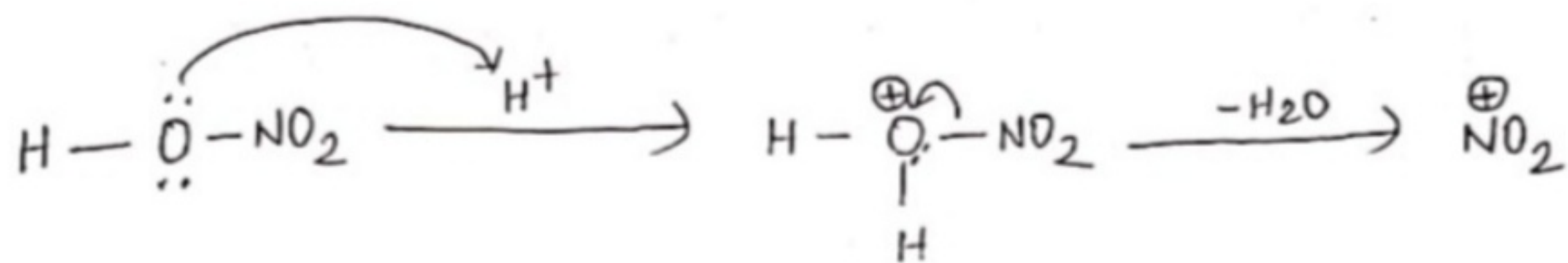
1  
Addition to unsymmetrical alkene follow Markovnikov's rule. 2.

## Mechanism

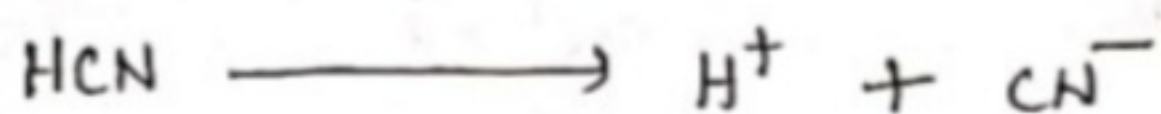


# Mechanism

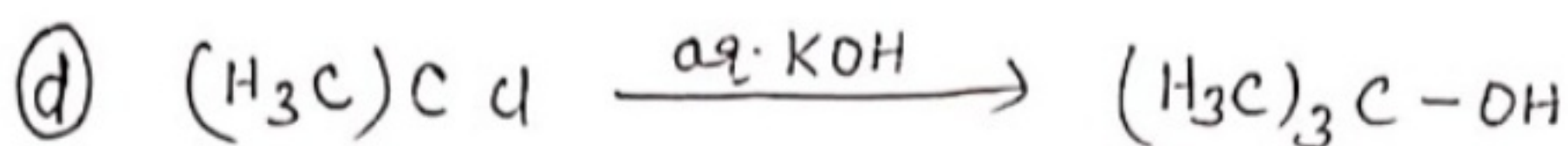
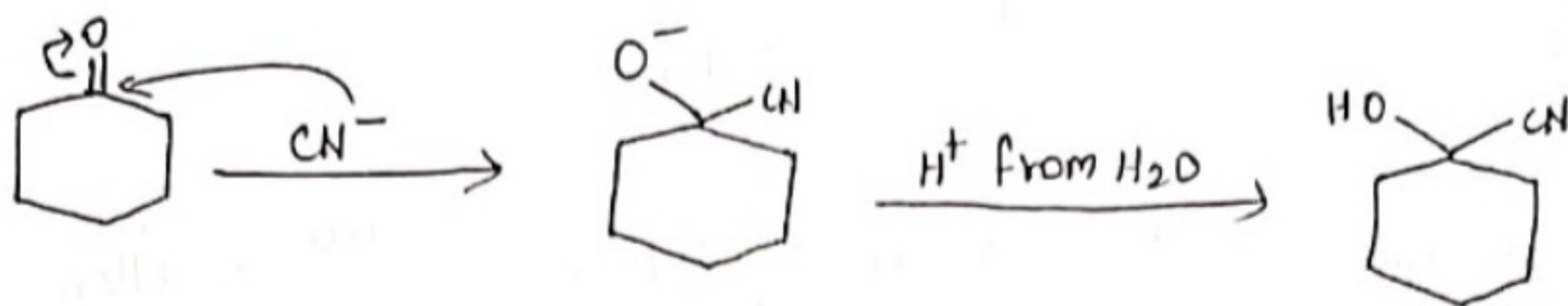
3.



# Mechanism

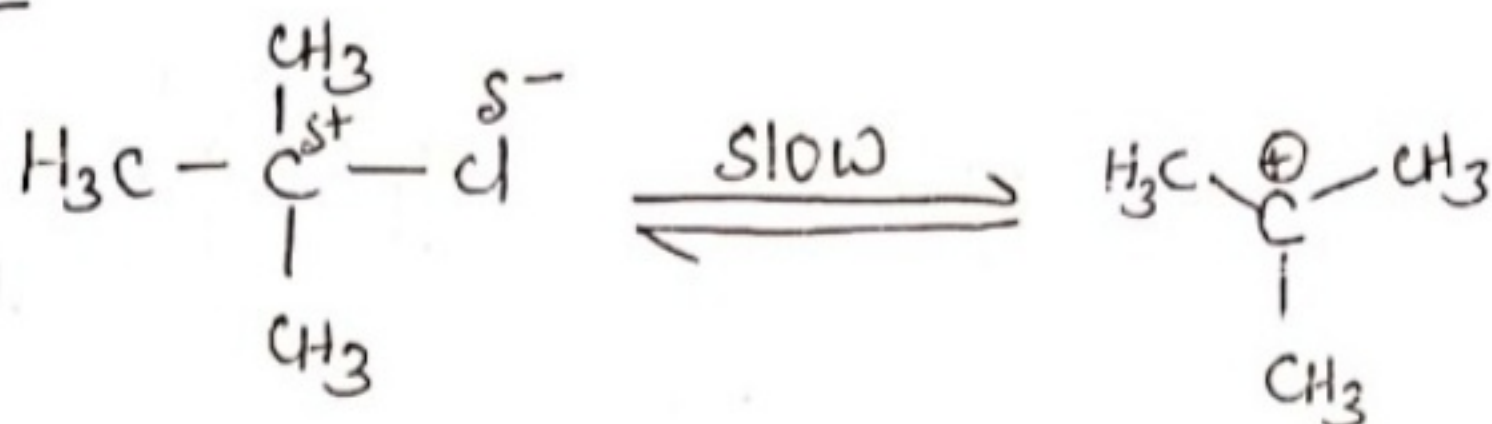






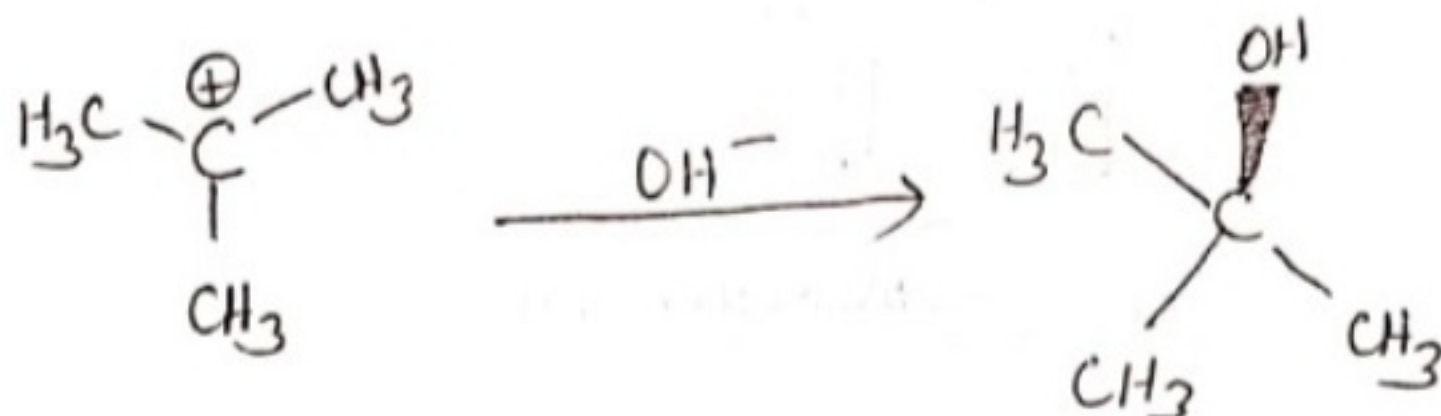
This reaction is Nucleophilic Substitution and follow  $\text{S}_{\text{N}}1$  mechanism.

Step: 1

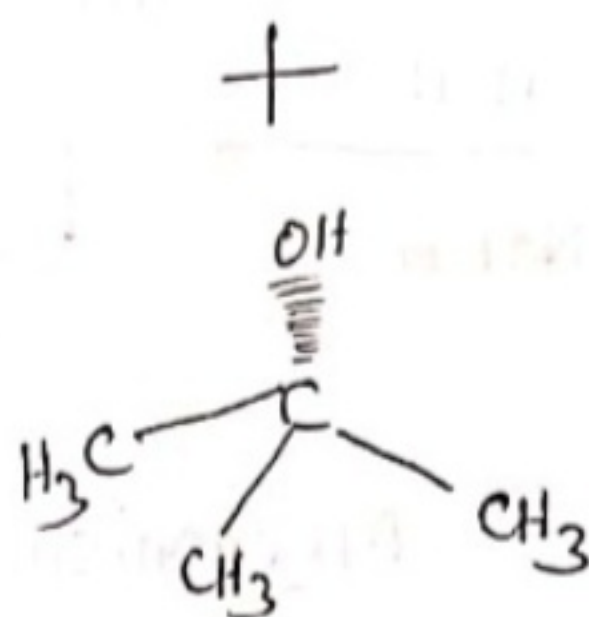


Planar carbocation  
intermediate

Step: 2



In this reaction racemisation  
of configuration takes place  
hence, product will be racemic  
mixture.



**Completed..**