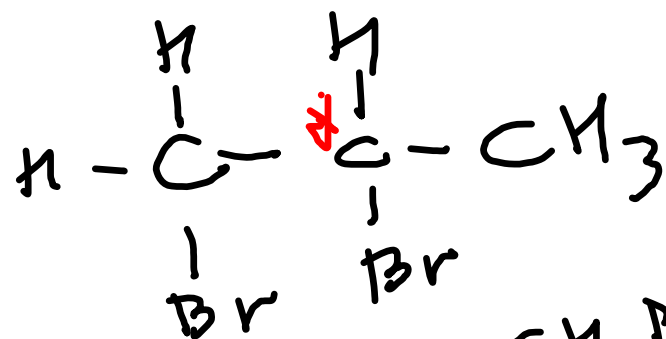
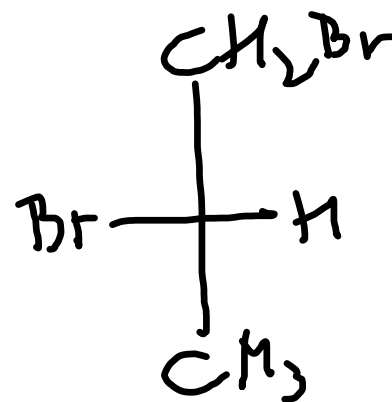
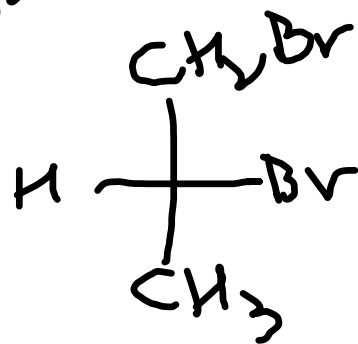


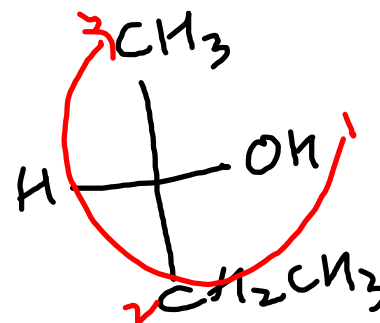
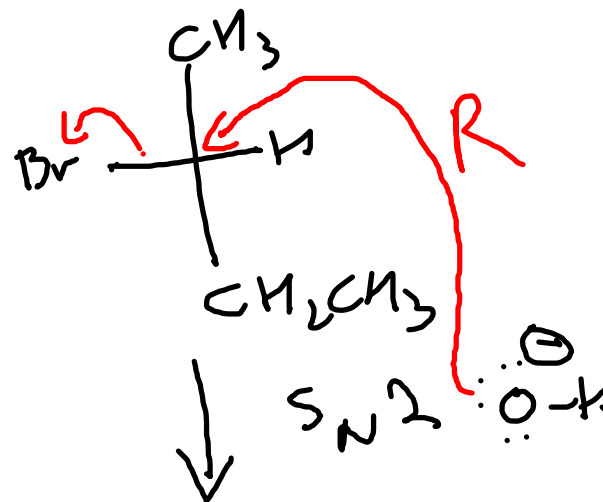
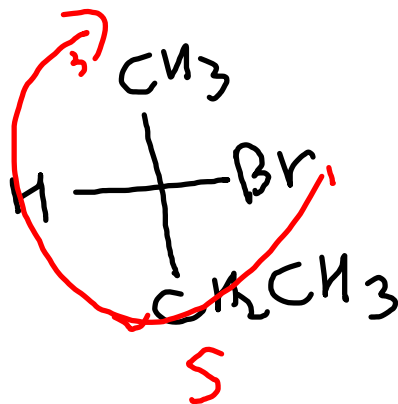
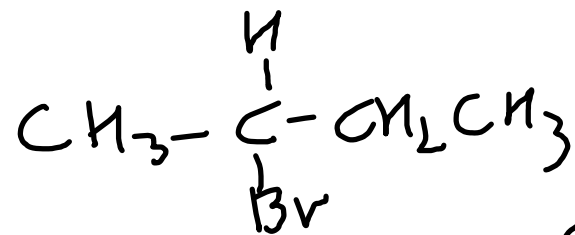
How many MOLECULES
1,2 dibromopropane



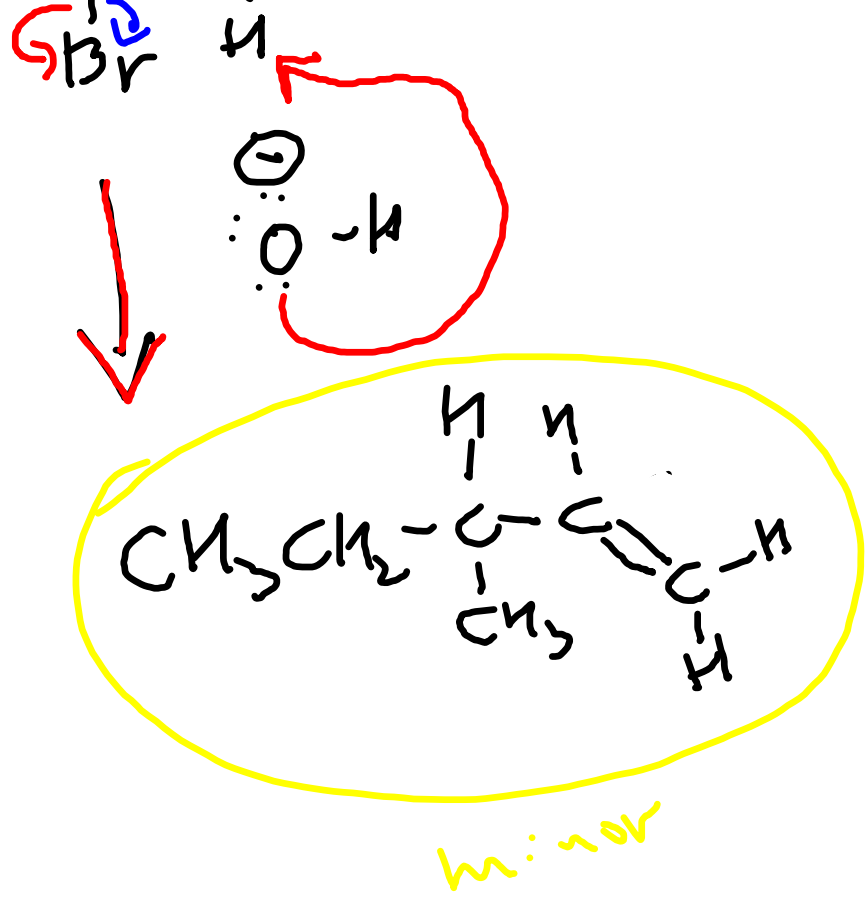
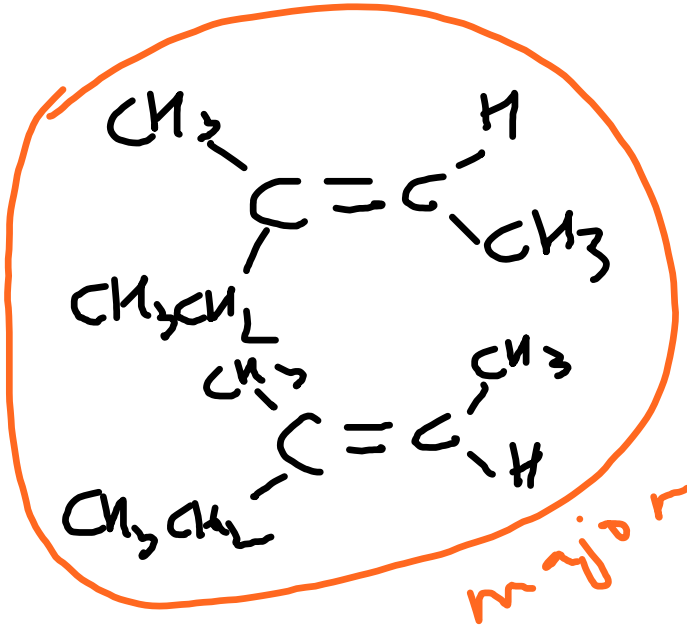
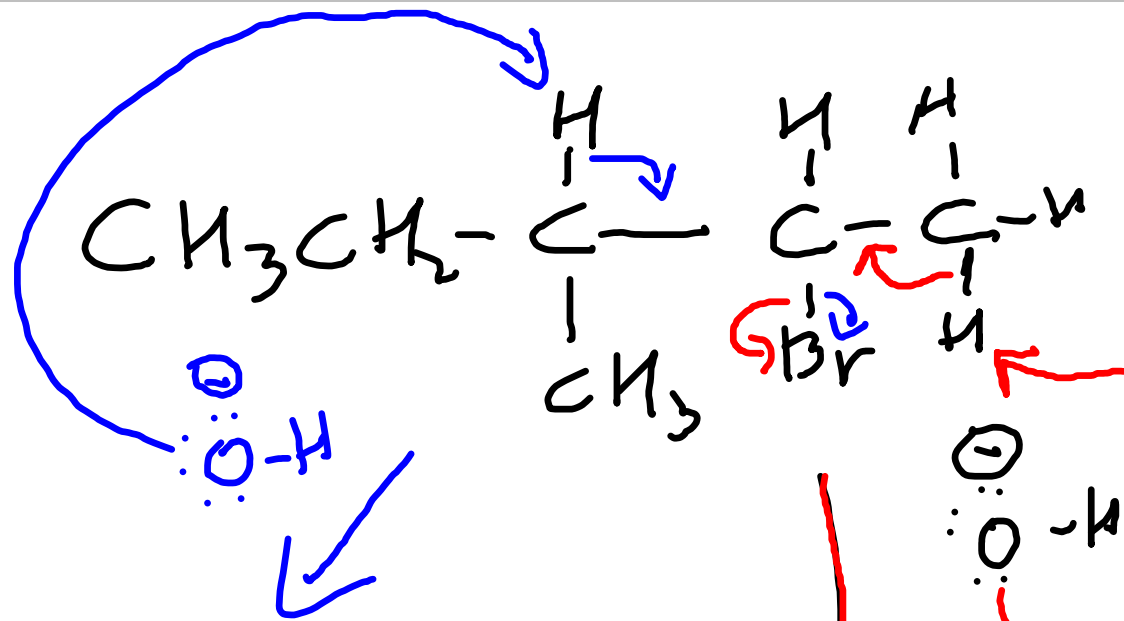
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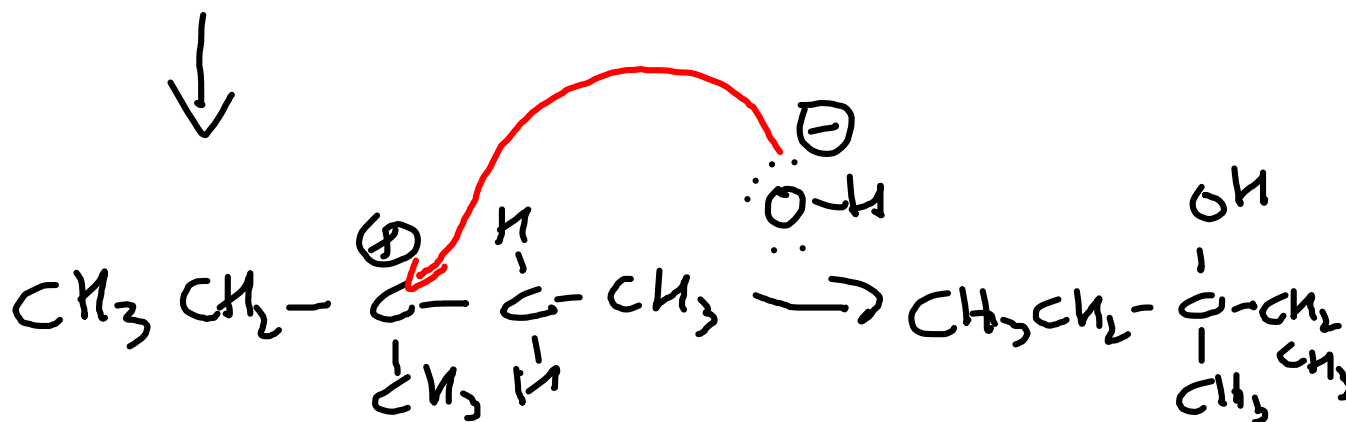
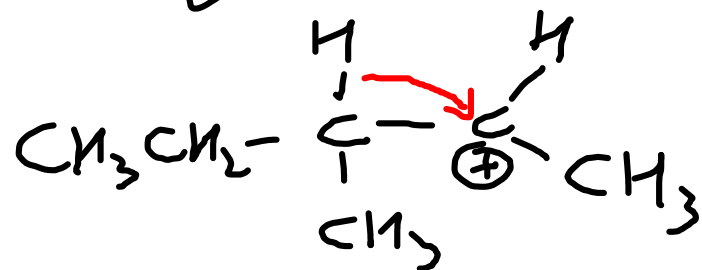
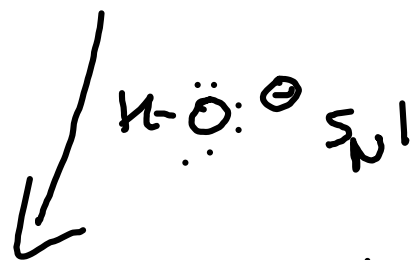
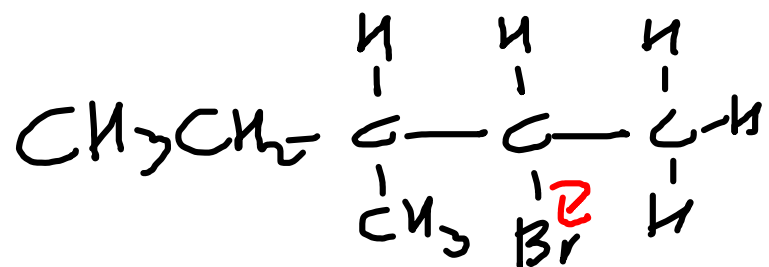


(R)-2-bromobutane



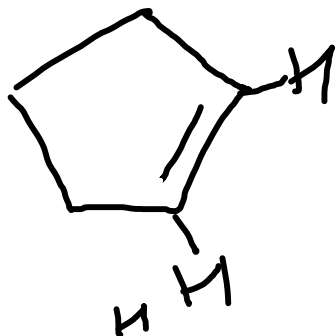
(S)-2-butanol



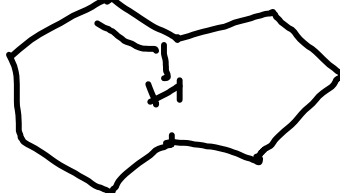


impossible?

a)



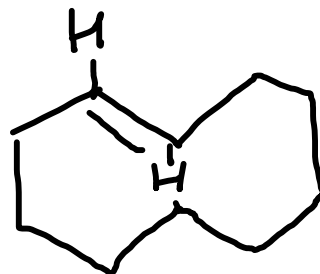
b)

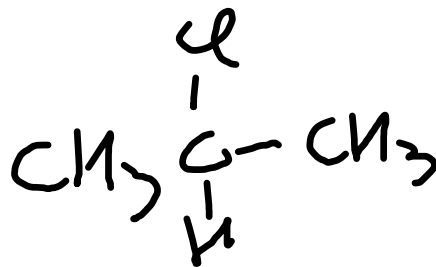
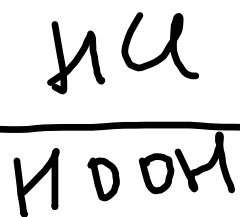
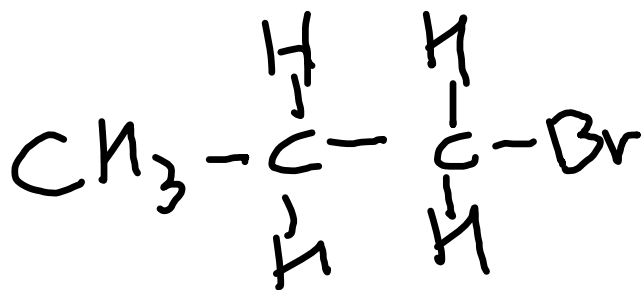
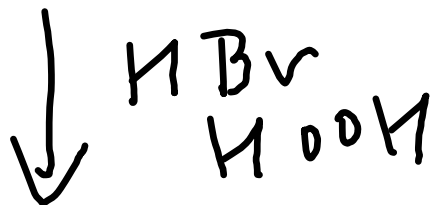
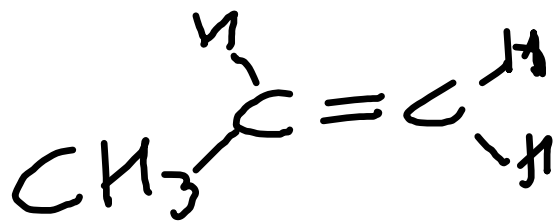


c)

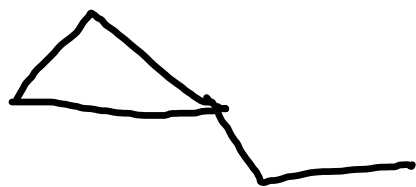
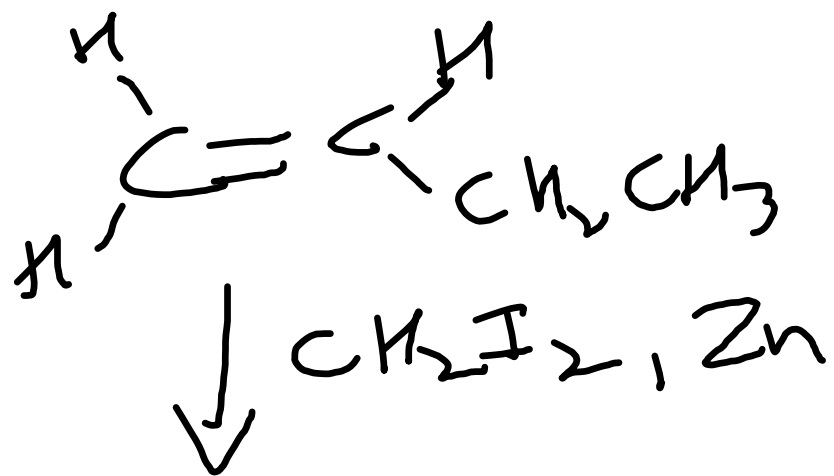


d)

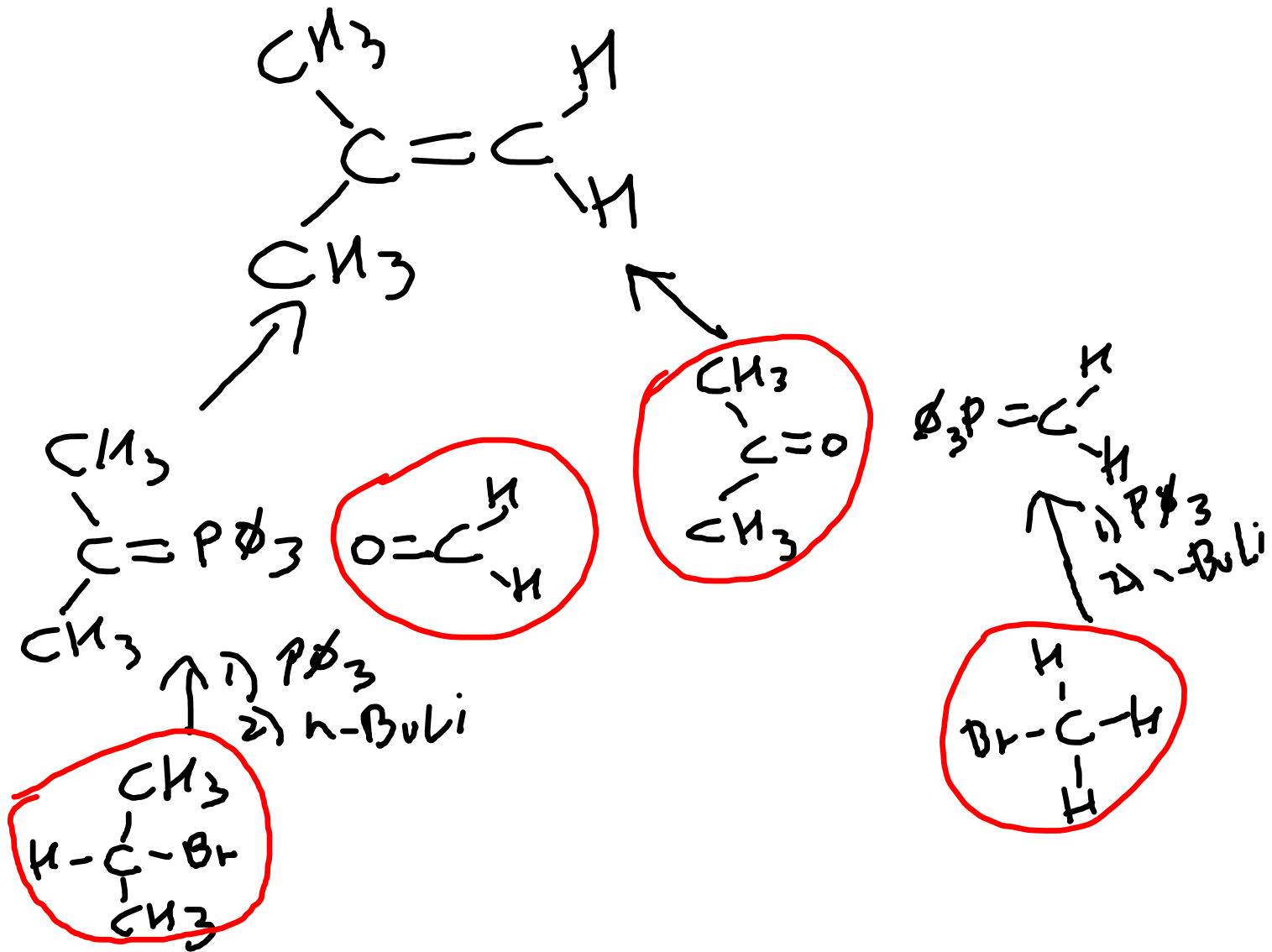


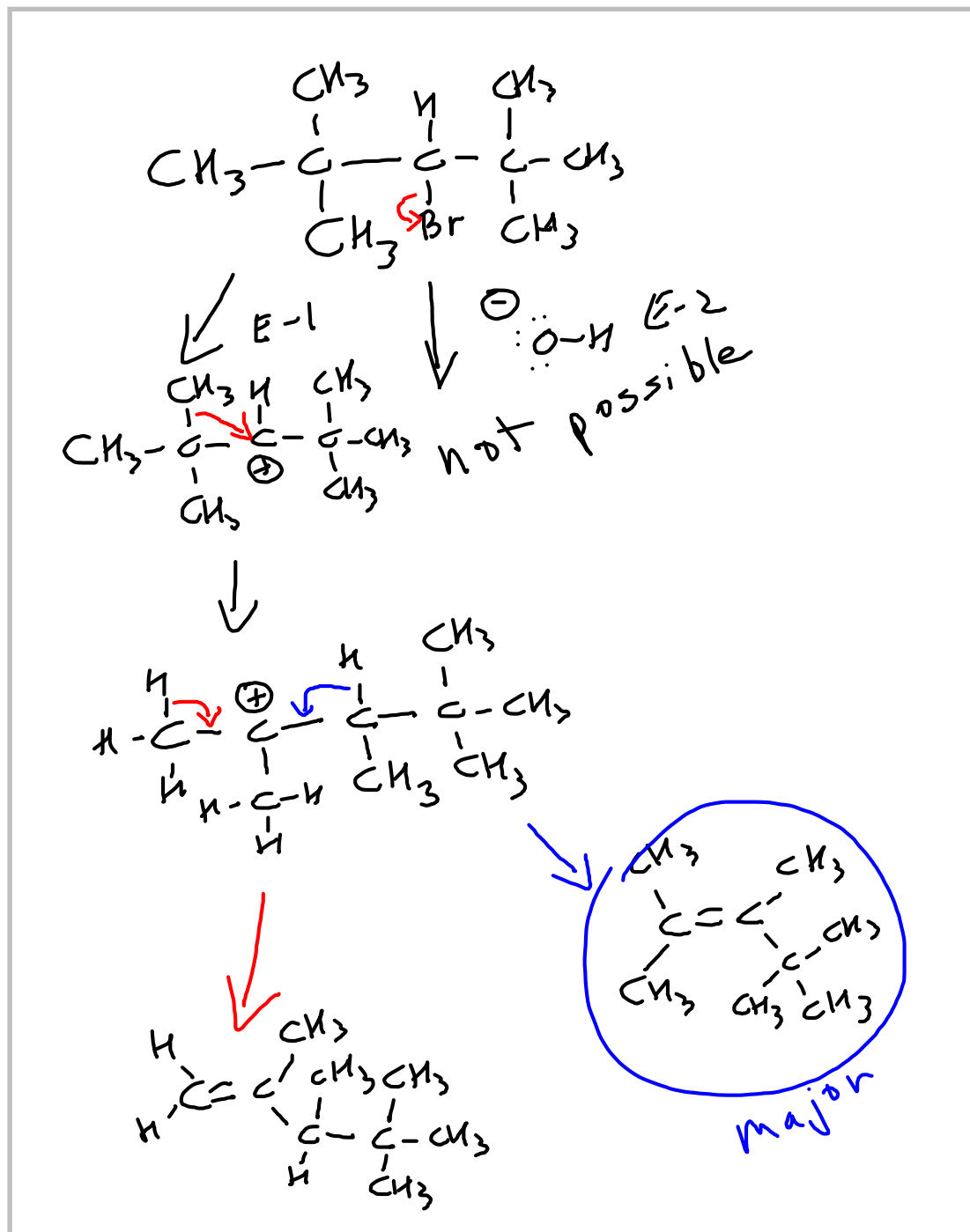


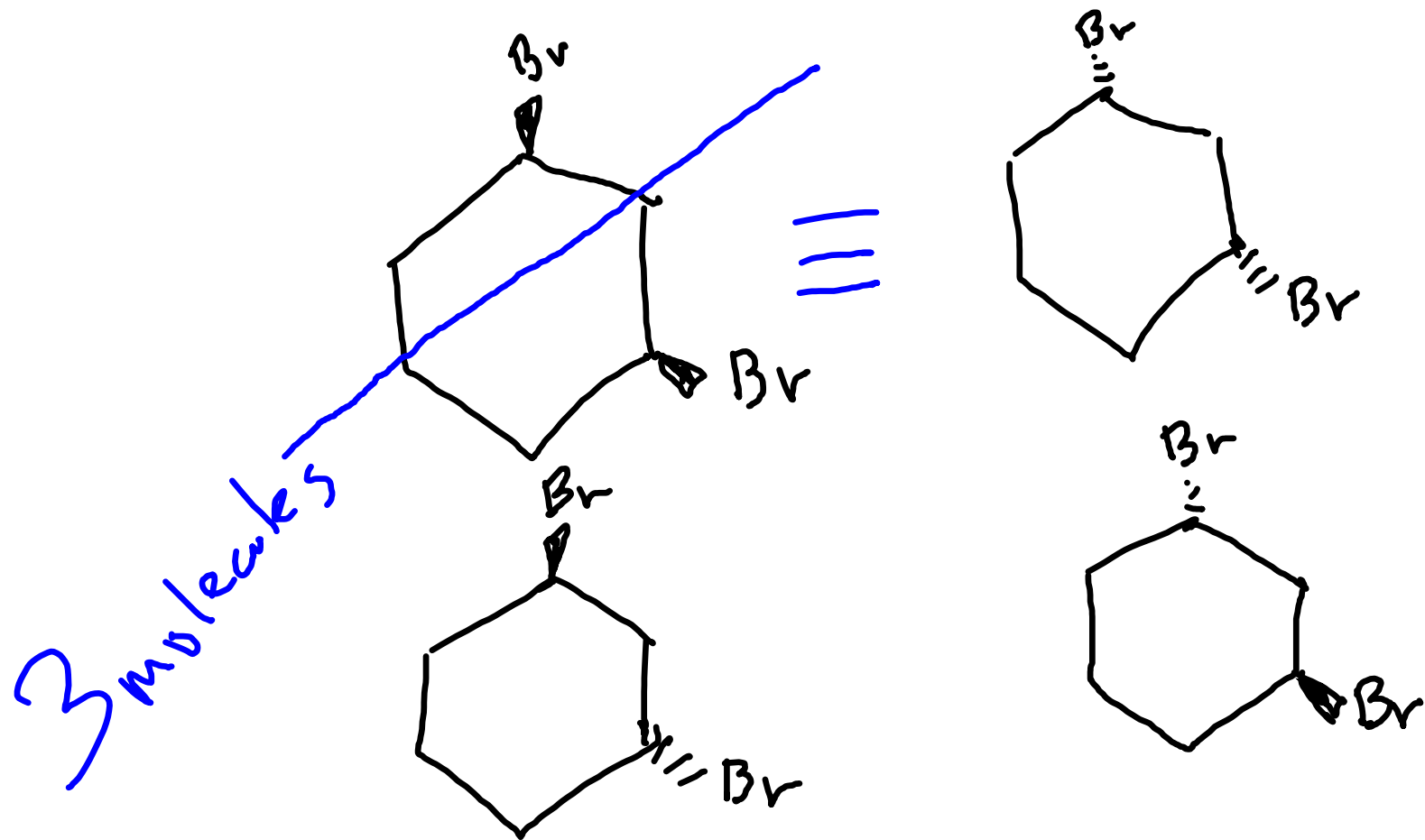
ANTI-MARK
ADD HBr

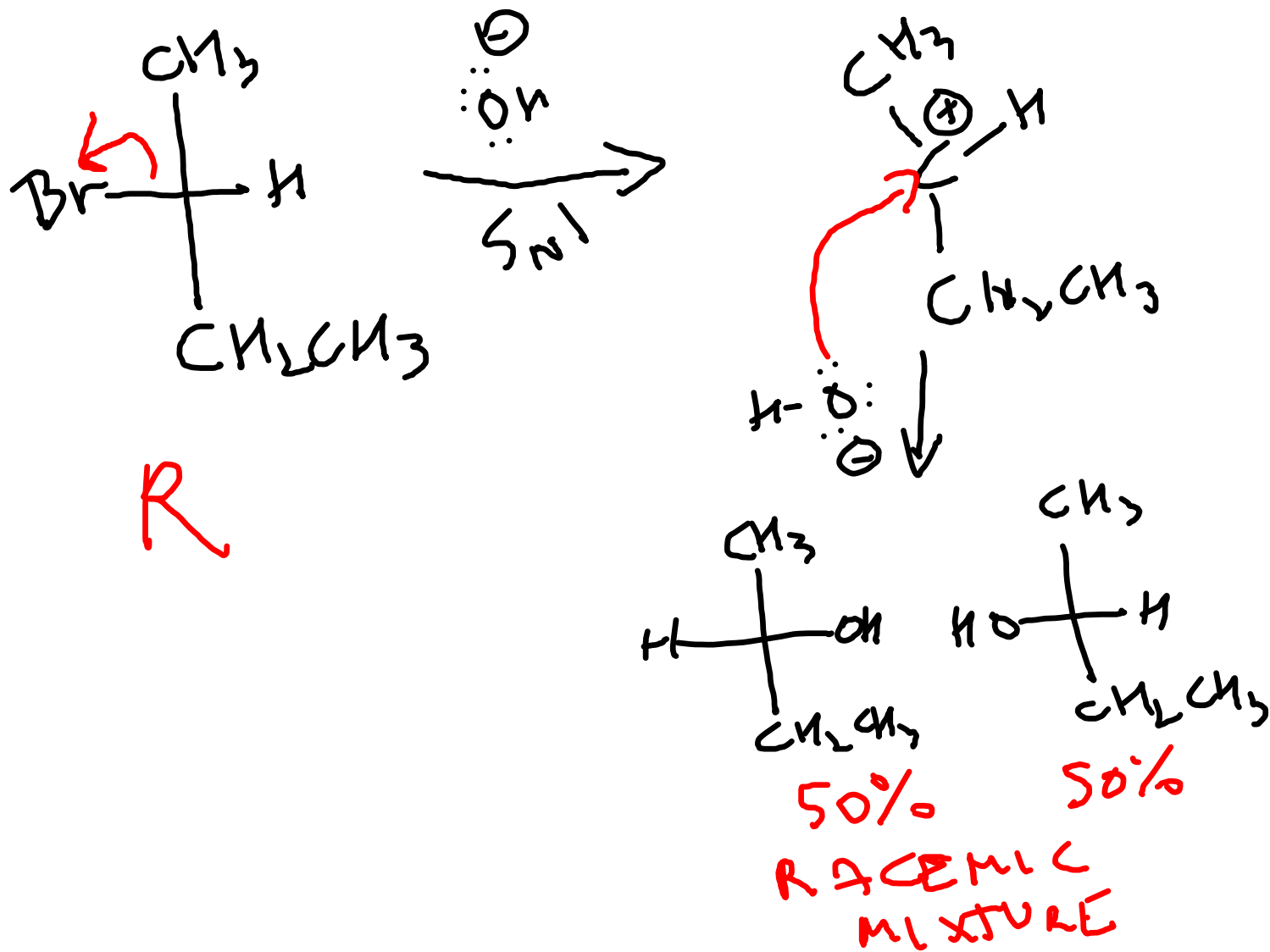


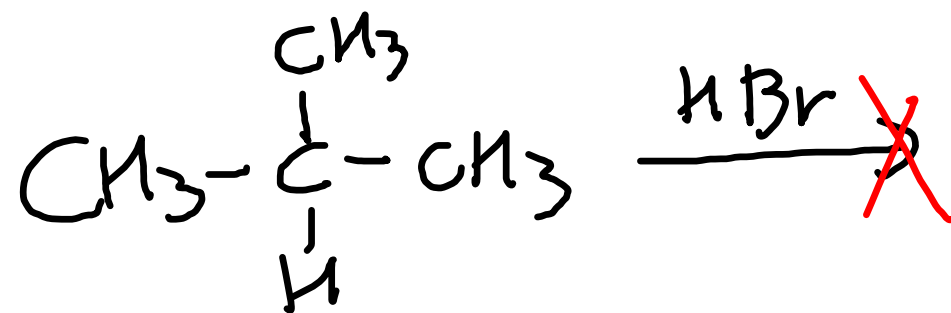
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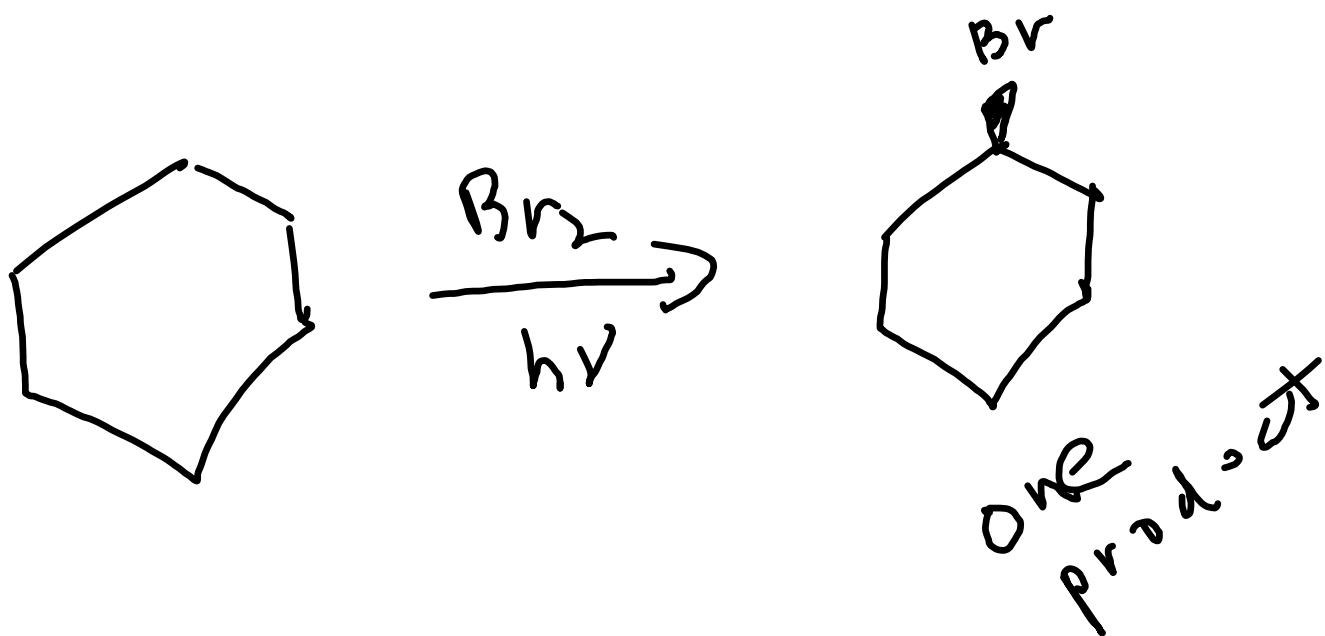




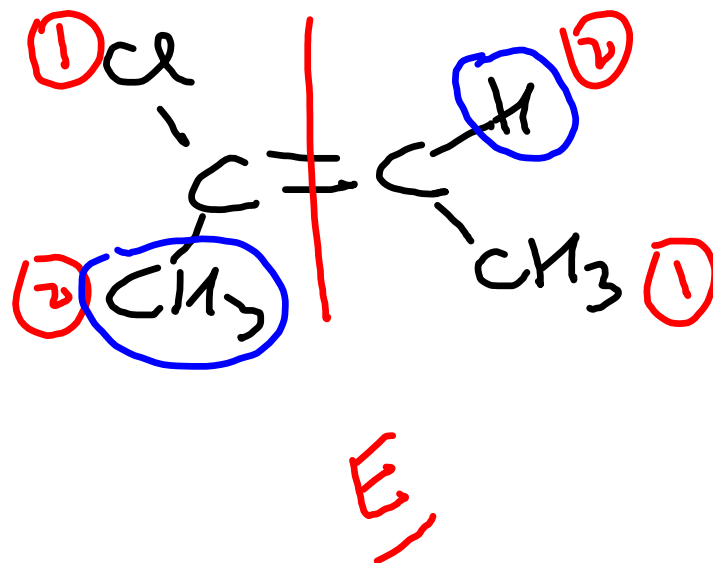






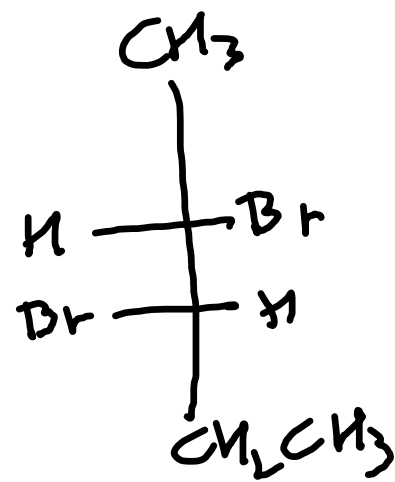
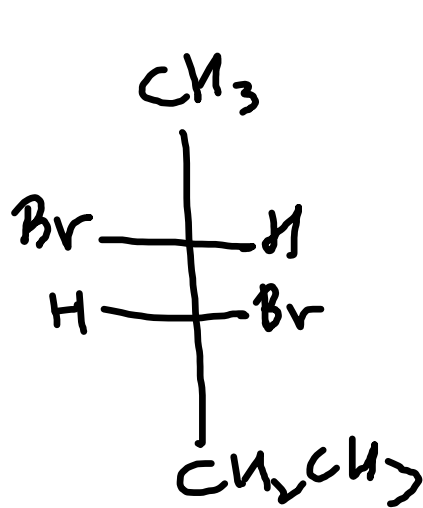


E-2-chloro-2-butene

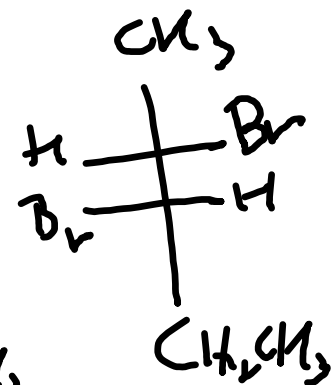
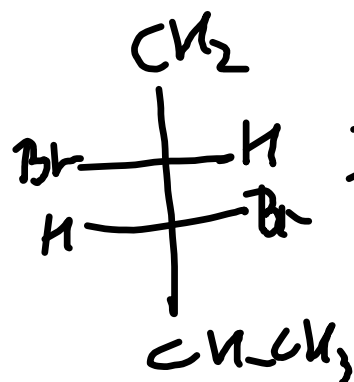
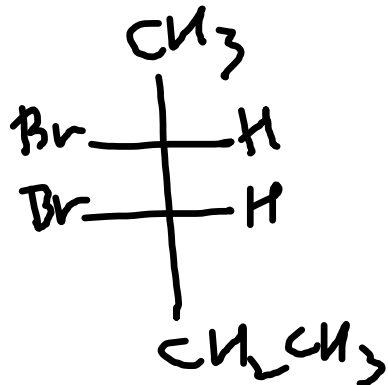
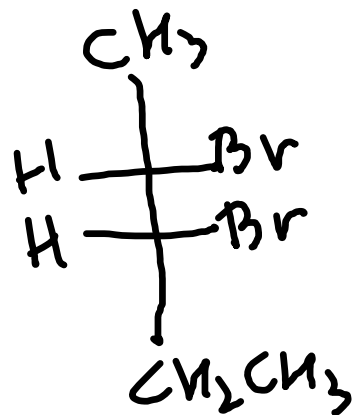
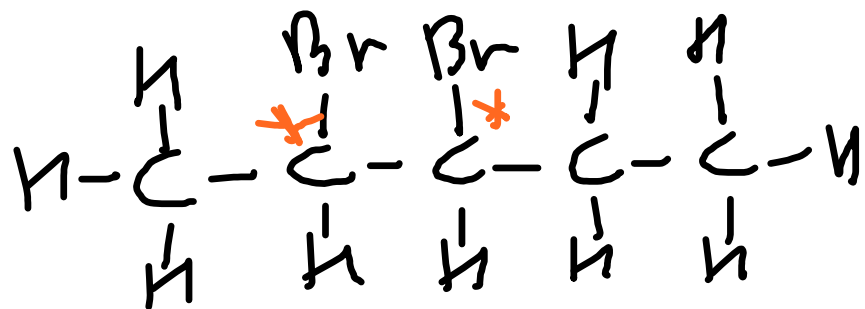


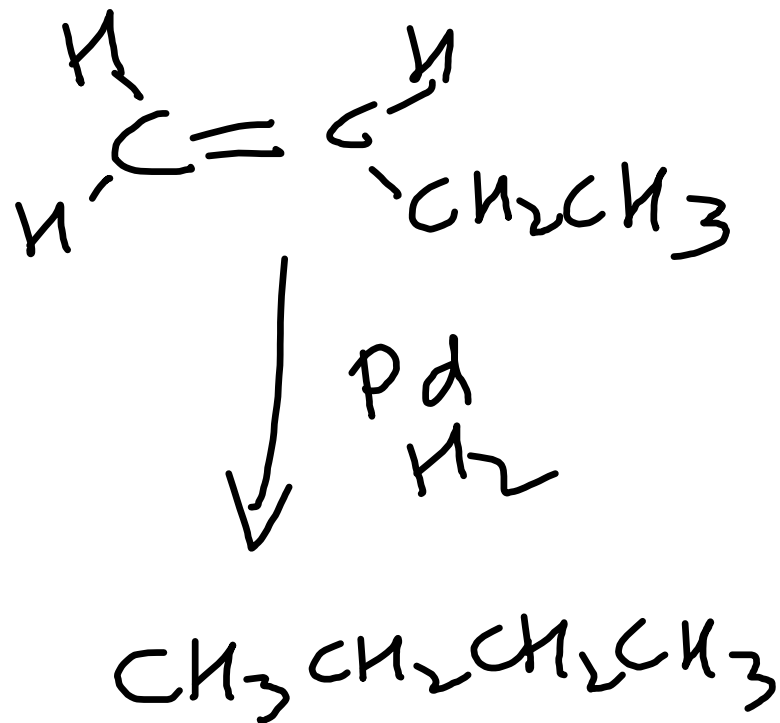
$(2R, 3R)$ -2,3-dibromopentane

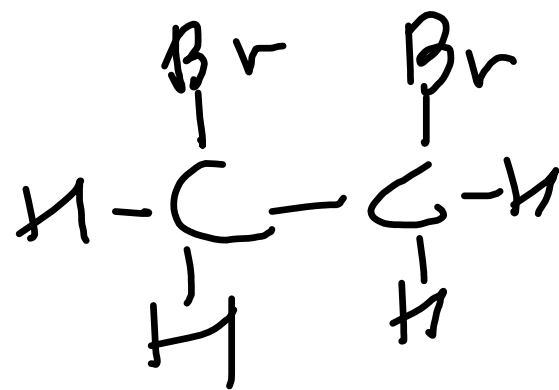
$(2S, 3S)$ -2,3-dibromopentane



enantiomers

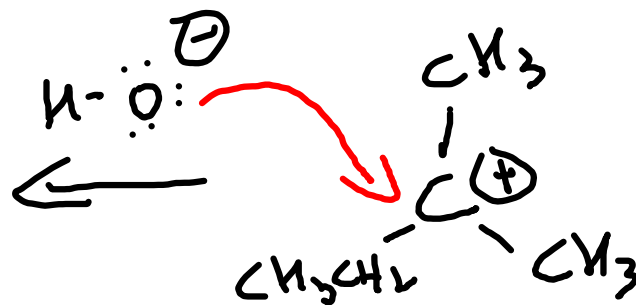
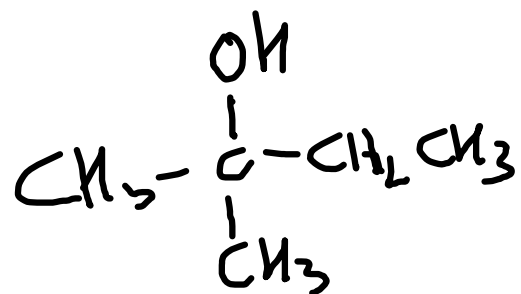
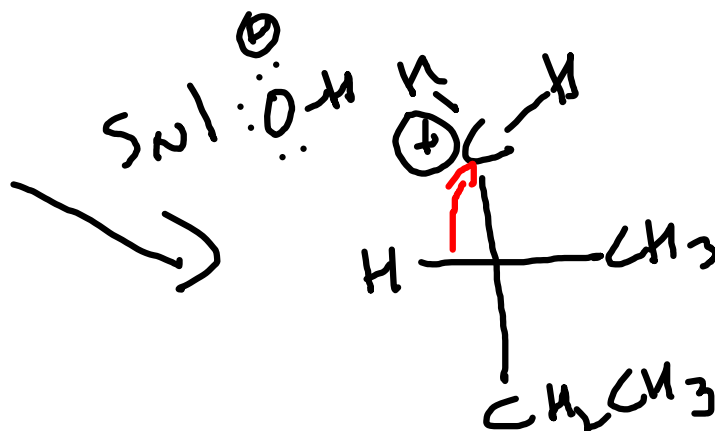
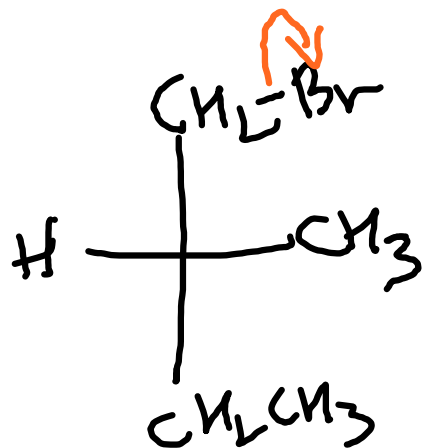
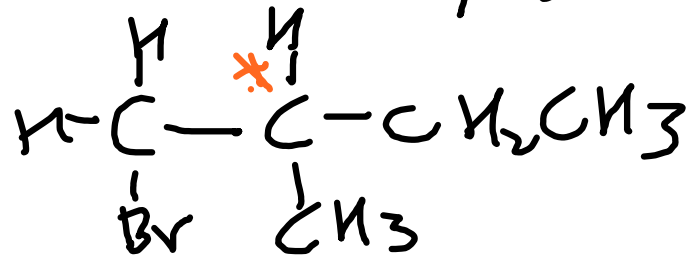


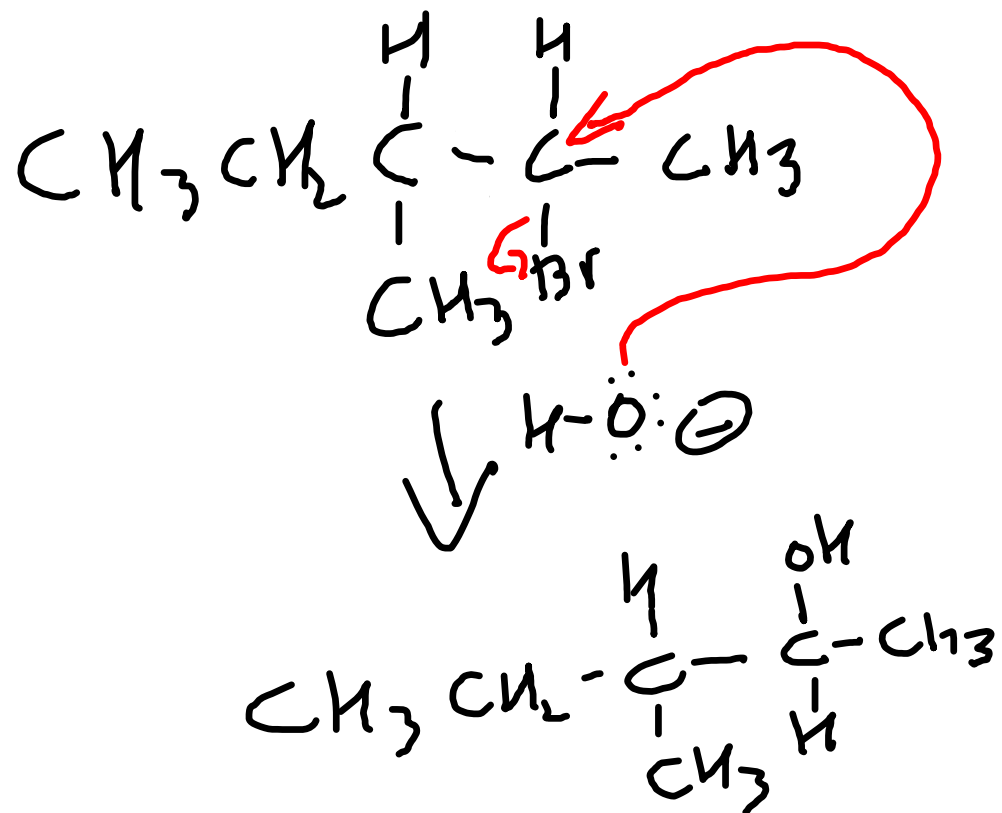


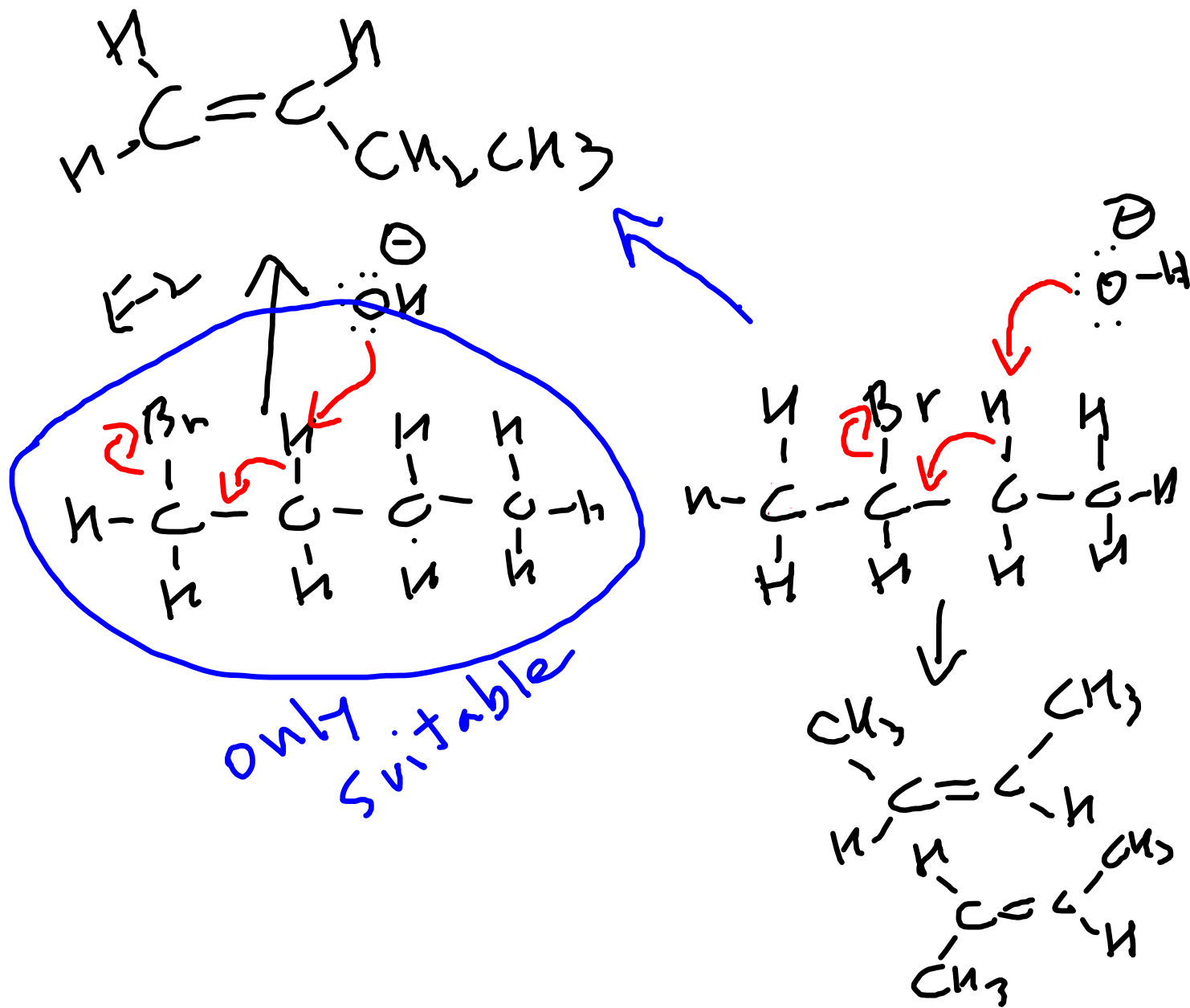


1 molecule

(R)-1-bromo-2-methylbutane

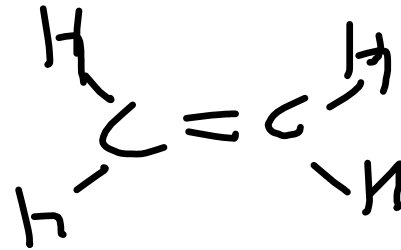






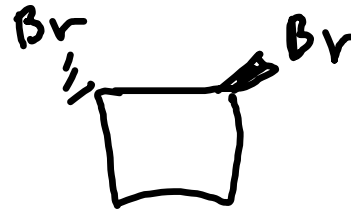
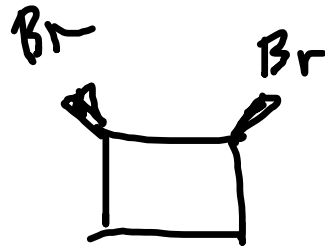
cis. trans?

a) ethene

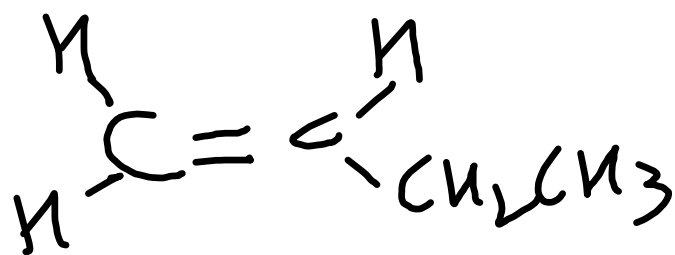


No

b)



YES



- 1) $\text{Hg}(\text{OAc})_2, \text{H}_2\text{O}$
- 2) NaBH_4

MARK
ADD
H₂O

