

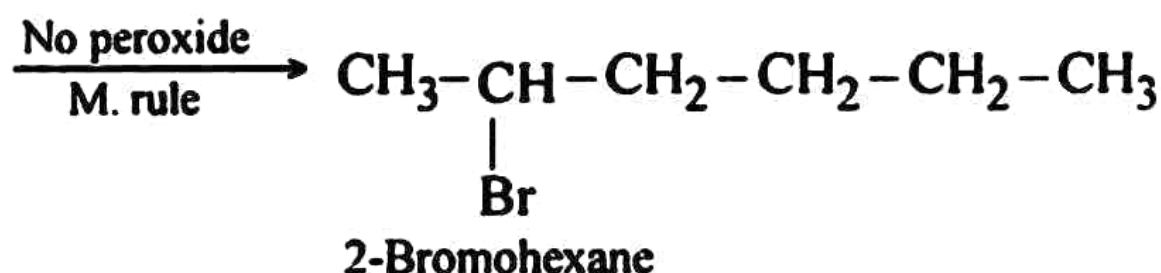
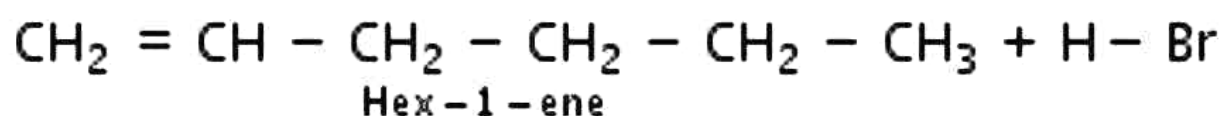
1. Write IUPAC names of the products obtained by addition reactions of HBr to hex-1-ene:

(i) in the absence of peroxide and

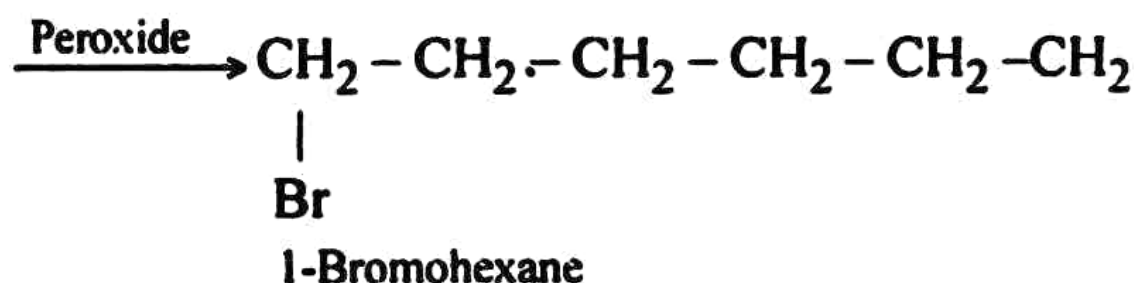
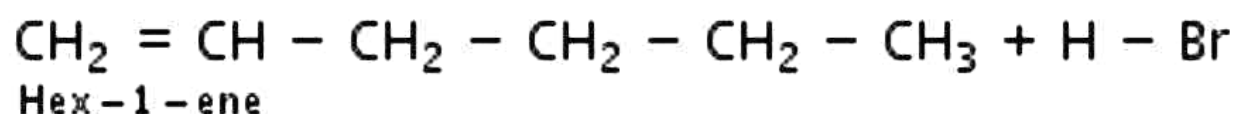
(ii) in the presence of peroxide.

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(i) In the absence of peroxide. Hexene reacts with HBr in the absence of organic peroxide to form 2-Bromohexane. Addition takes place according to Markownikoffs rule.

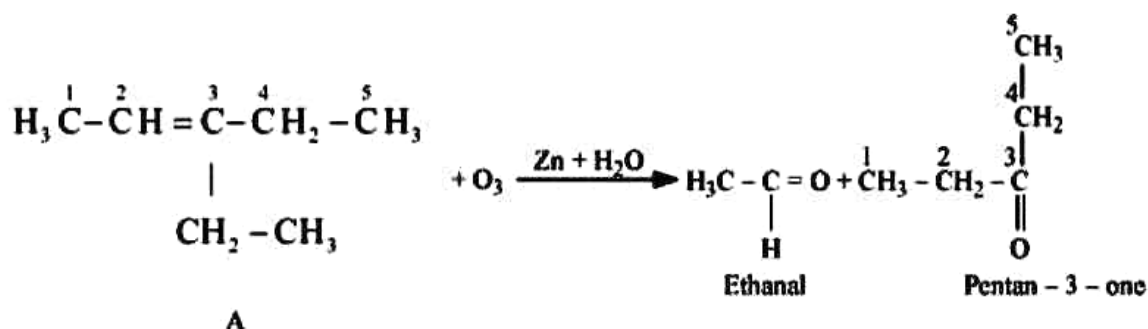


(ii) In the presence of peroxide. Hex-1-ene reacts with HBr in the presence of peroxide to form 1-bromohexane.



2. An alkene A on ozonolysis gives a mixture of ethanal and pentan - 3 - one. Write structure and IUPAC name of A.

A)



The alkene A is 3-Ethylpent-2-ene. On ozoloyysis, it gives a mixture of ethanal and pentan-3-one.

