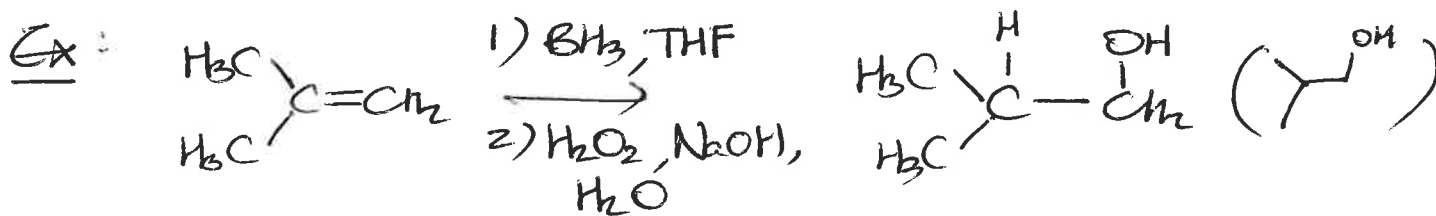
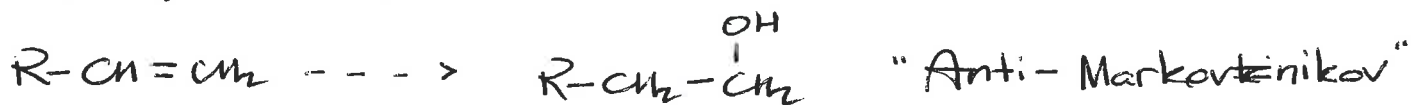


Course Chem 343-5Lecturer Prof. StollmanDay MondayDate 10/11/2016Notes Taken By SunghoTotal # of Pages 4

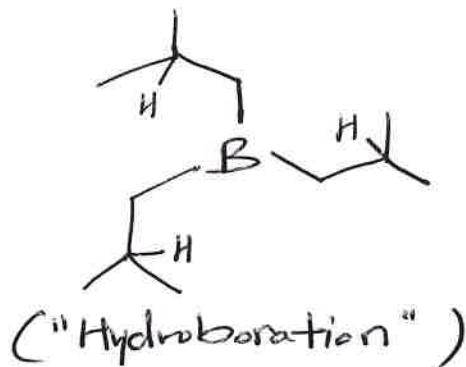
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Recall: Hydroboration-oxidation

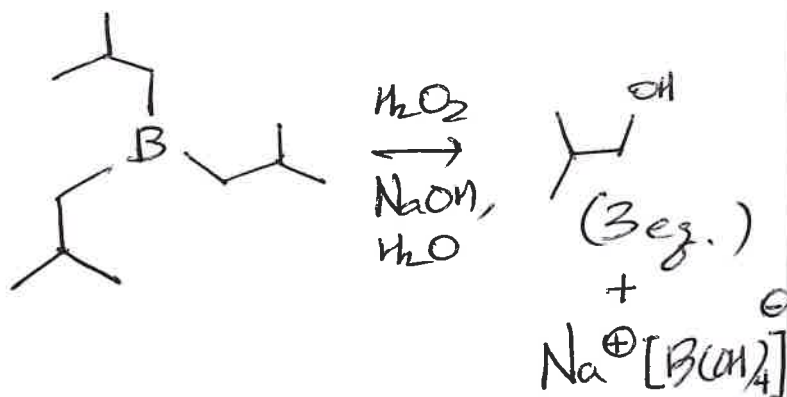
Reaction sequence. Overall:



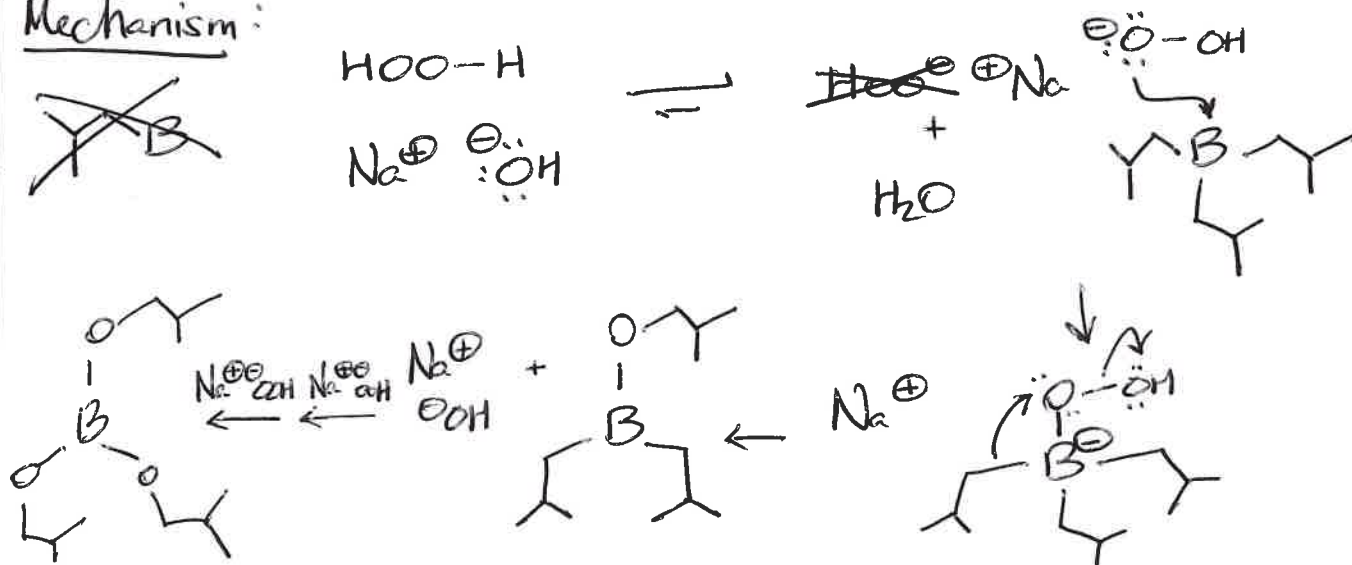
1st step produces...



2nd step (oxidation):



Mechanism:



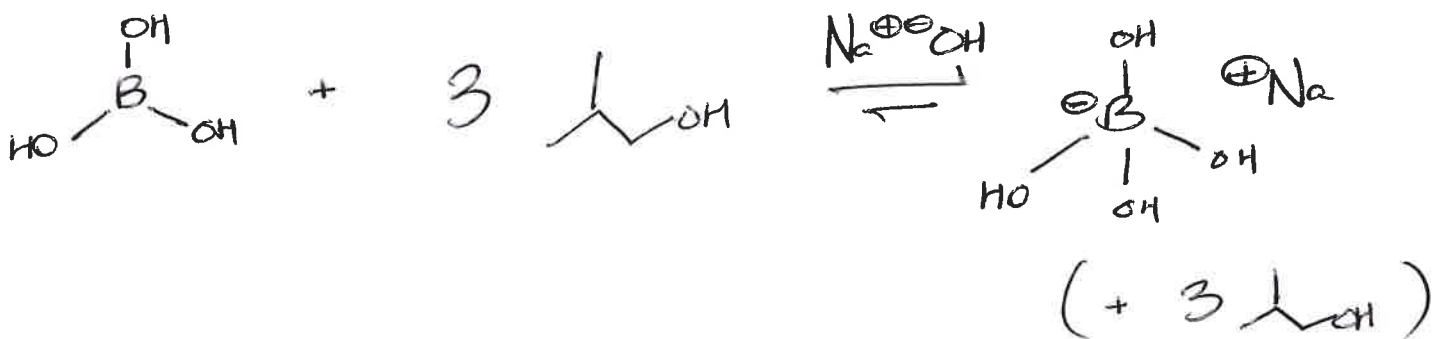
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(from prev. page)

↓ Lewis acid + L.B.  
 ↓ complex formation

↓ LA/LB complex dissociation

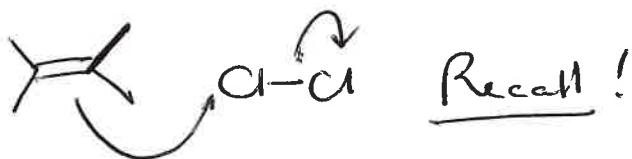


Recall: Carbocation rearrangement



"rearrangement"!

Note: O-O bond is weak.  
 Both atoms are very electronegative.



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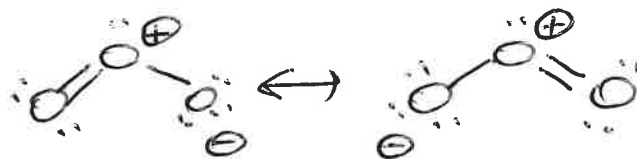
Day \_\_\_\_\_ Date \_\_\_\_\_

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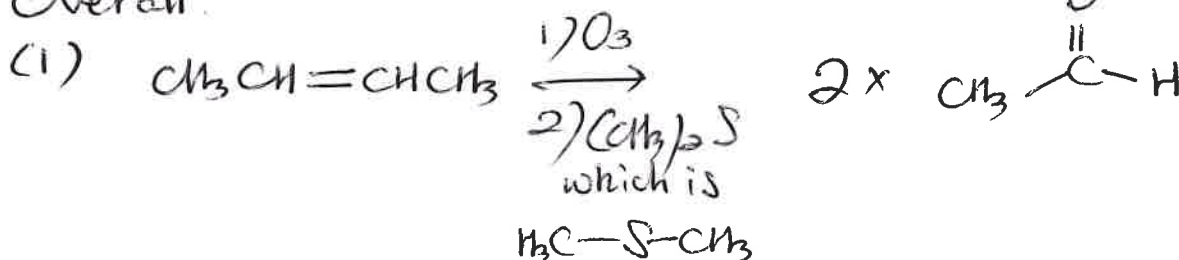
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## Ozonolysis of alkenes

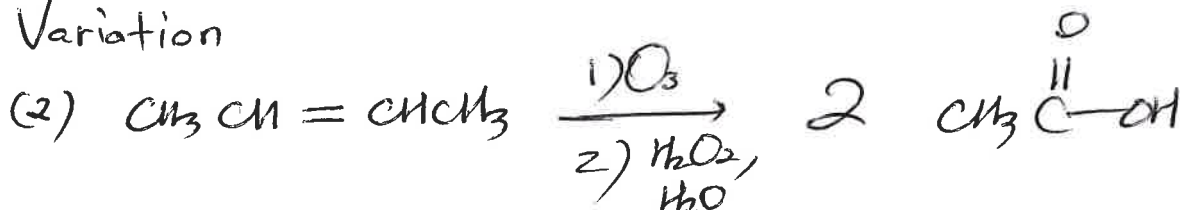
Recall:  $O_3$



Overall:

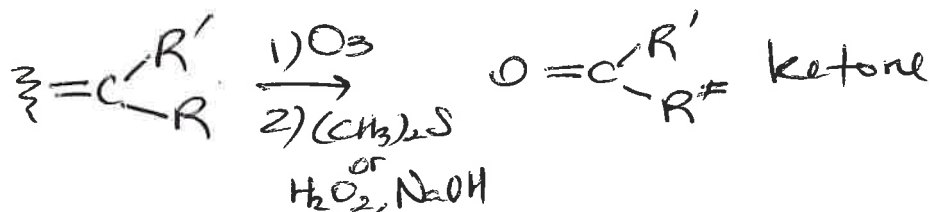
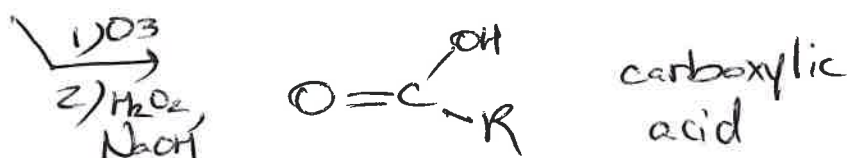
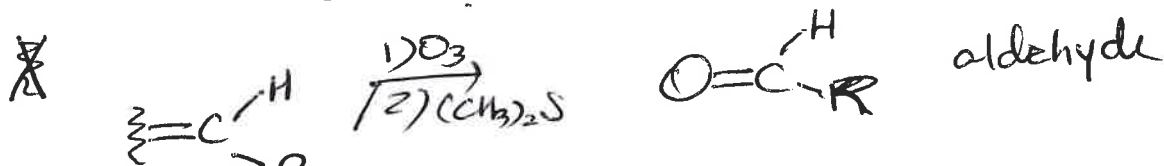


Variation



In both cases, " $CH_3CH=CHCH_3$ "

General:



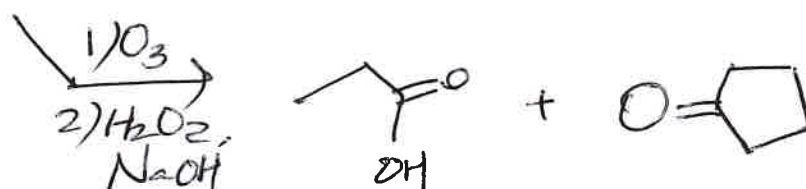
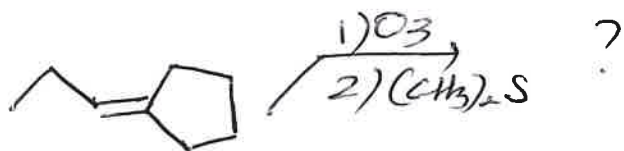
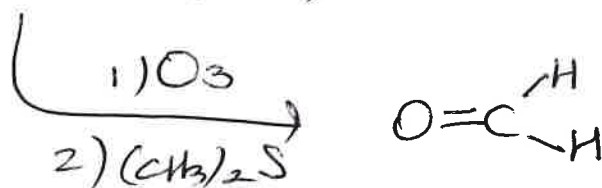
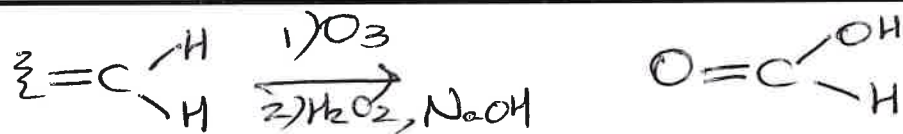
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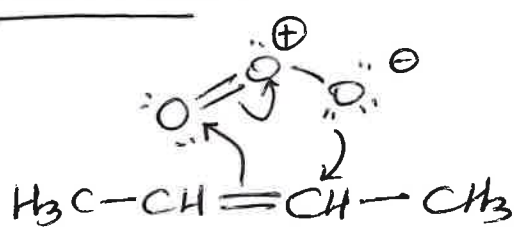
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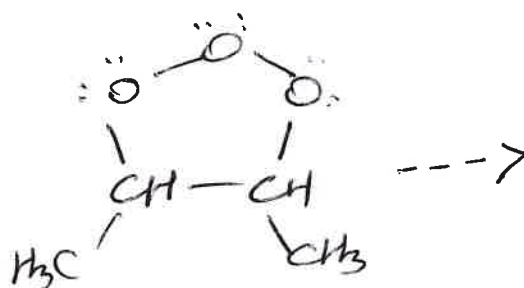
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Mechanism?



C "concerted")



"Malozonide"  
Unstable