

Course 343Lecturer HackenbergDay Wed.Date 10/9/13Notes Taken By GuenetteTotal # of Pages 3

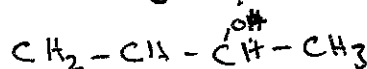
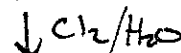
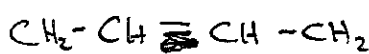
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Exam 1: Scores average 78
 90-100 well, 80-90 solid, 60-80 concerned,
 <60 in trouble
 answer key on the web

Recall: Reactions w/ alkenes

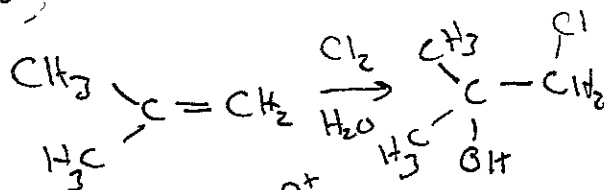
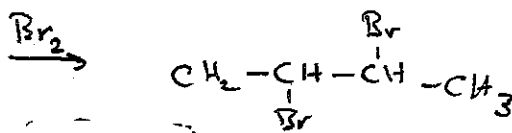
Br_2 addition

Halo hydrin formation



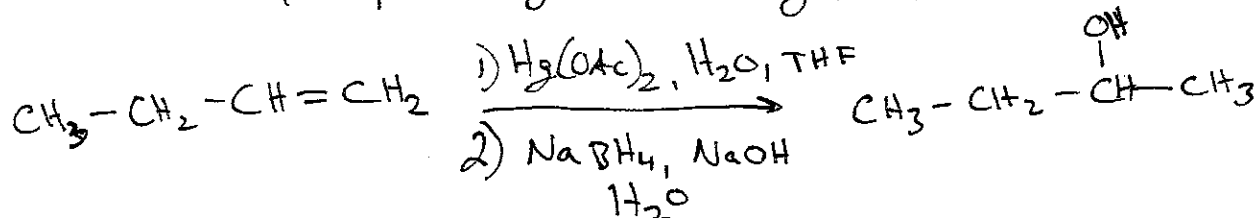
Unsymmetrical


Symmetrical



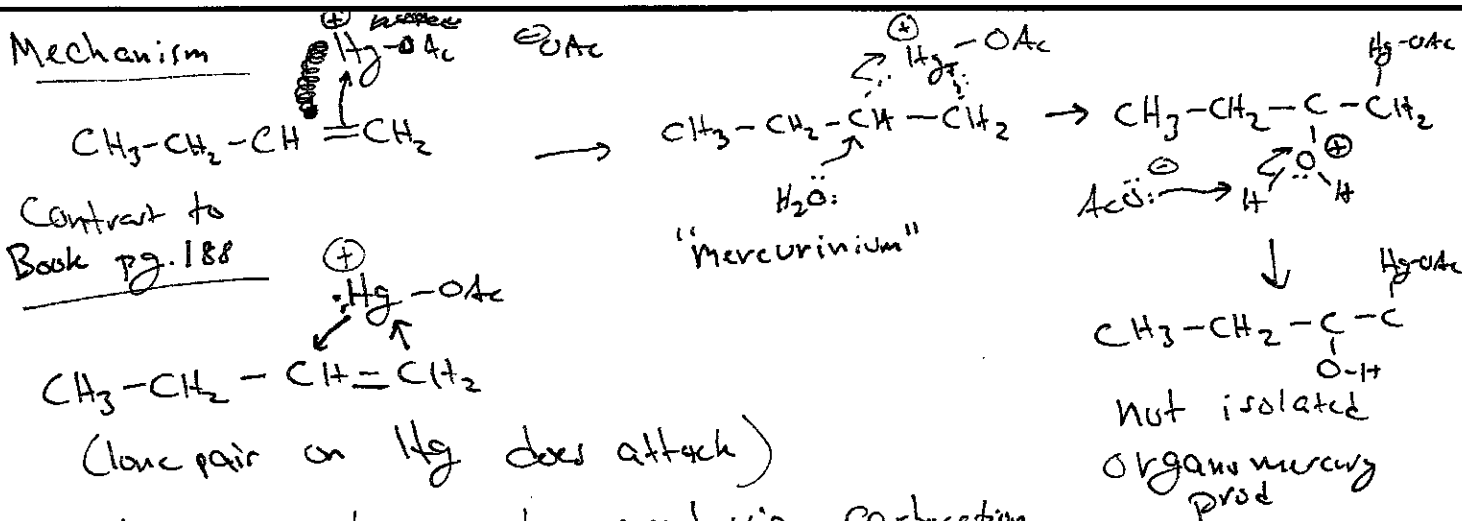
Oxymercuration two-steps

- "Markovnikov-product" → more substituted carbons
- alcohol w/ at possibility of rearrangement

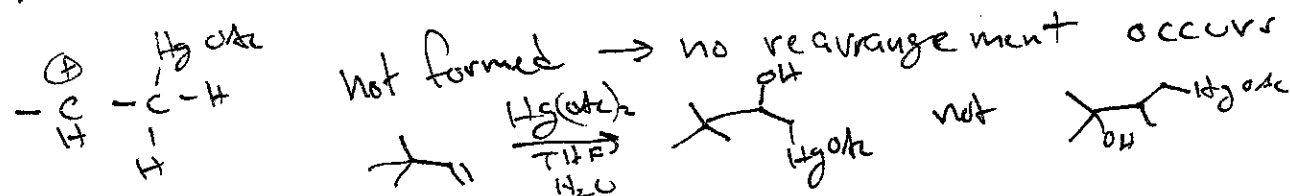


THF  → solubilizes alkene, mixes w/ H₂O (miscible)
 H₂O → solvent and reagent, solubilizes Hg(OAc)₂

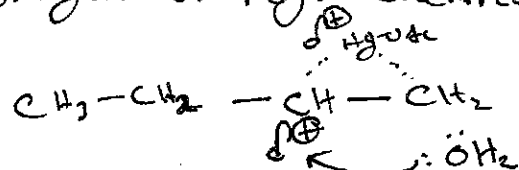
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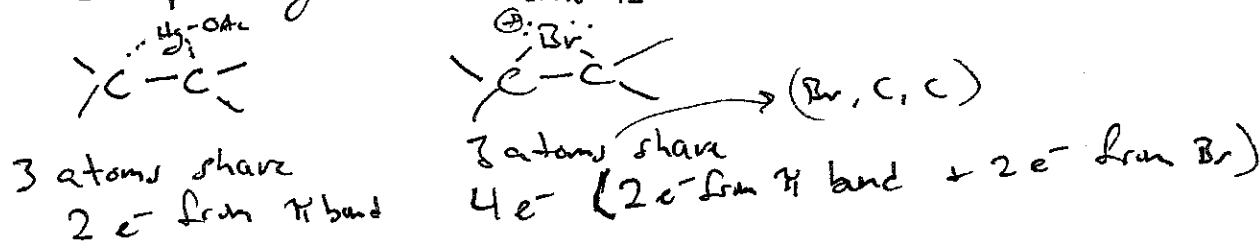
- Mechanism does not proceed via carbocation



- Origin of regio chemical preference

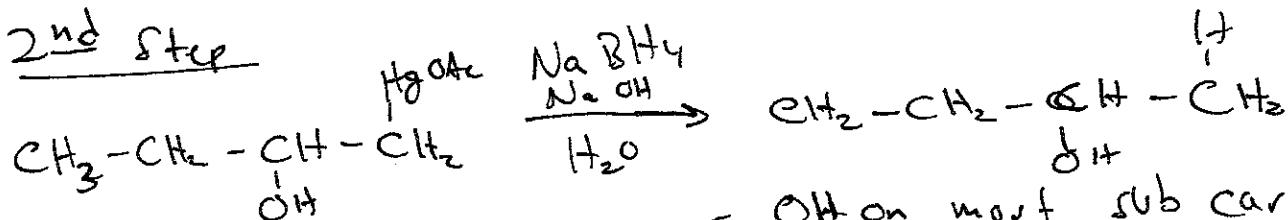


- Comparing mechanisms



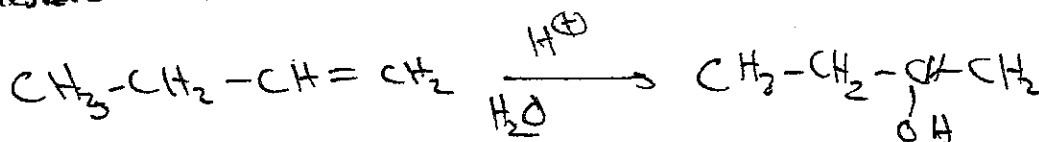
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2nd Step

- OH on most sub carbon
- Markovnikov prod.
- no rearrangement

Formally the same product
 can be synthesized under



Step 2 inorganic: Products are not balanced

