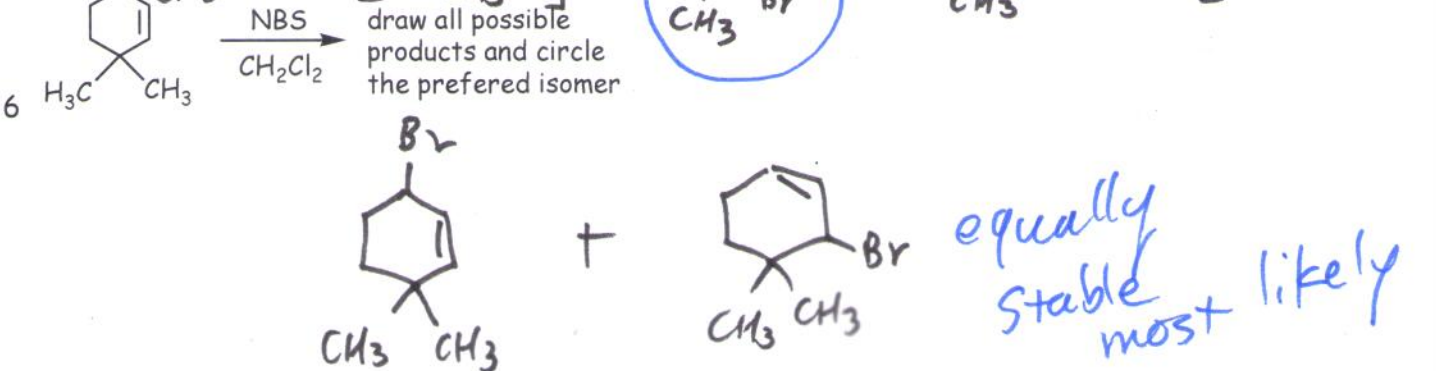
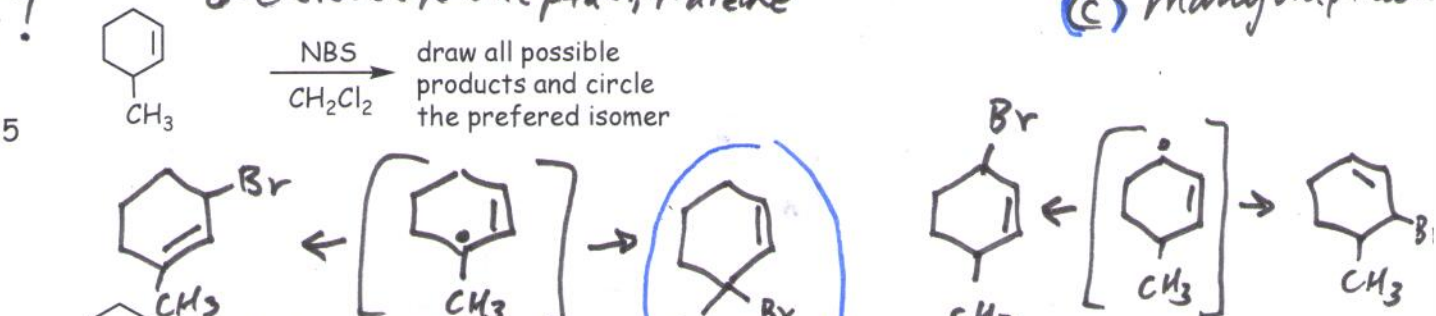
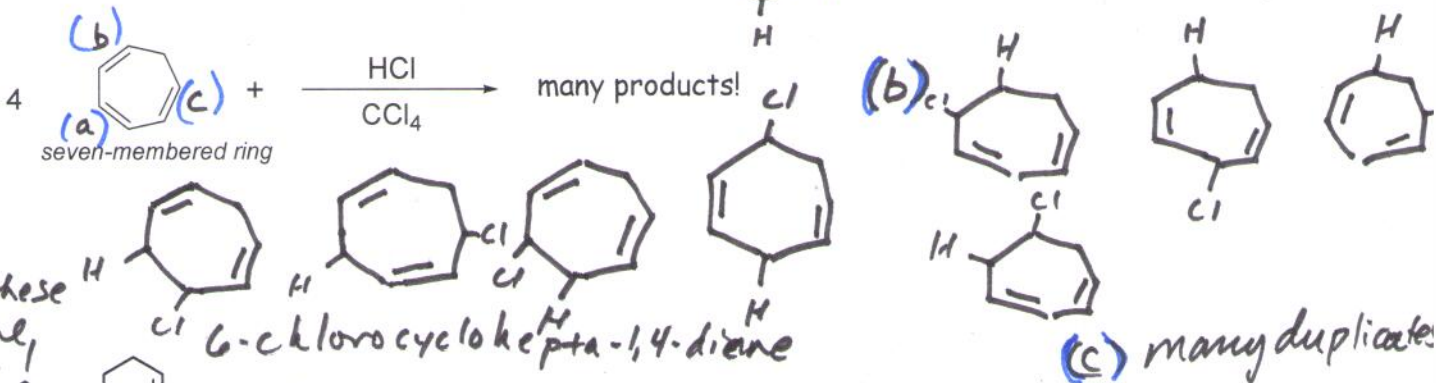
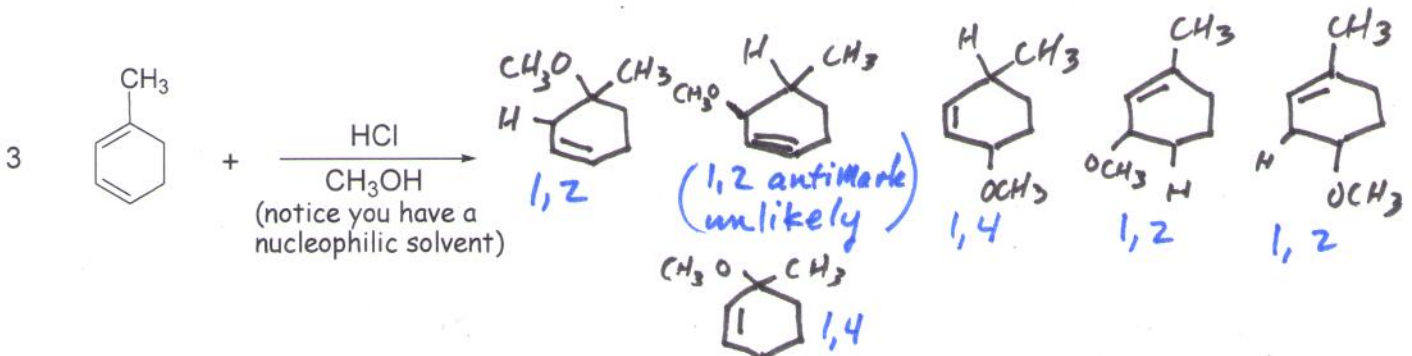
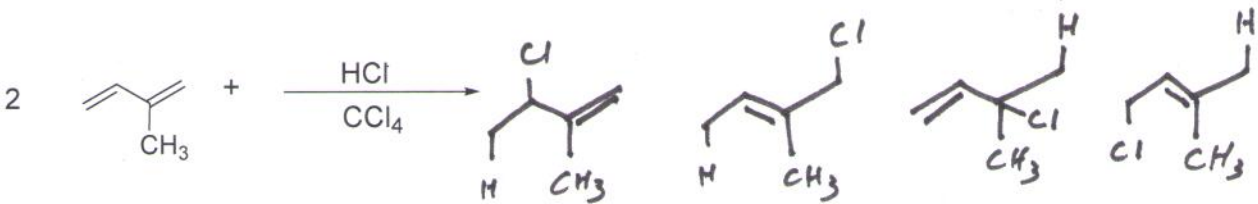
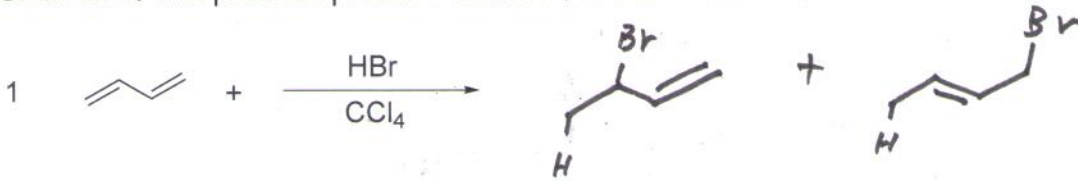
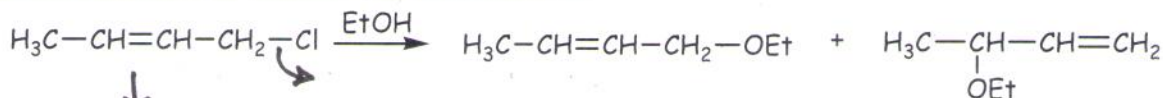


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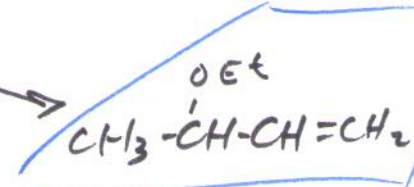
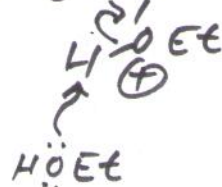
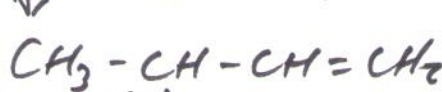
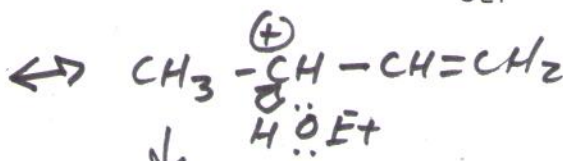
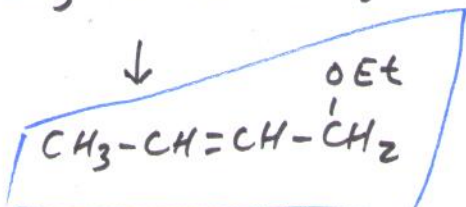
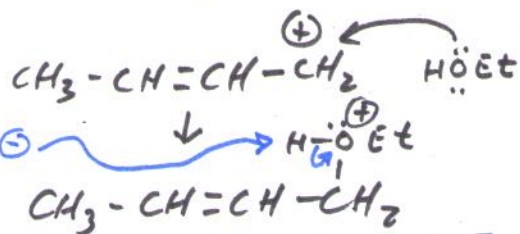
Draw all of the possible product isomers for each reaction.



7. Draw a mechanism to account for this reaction:

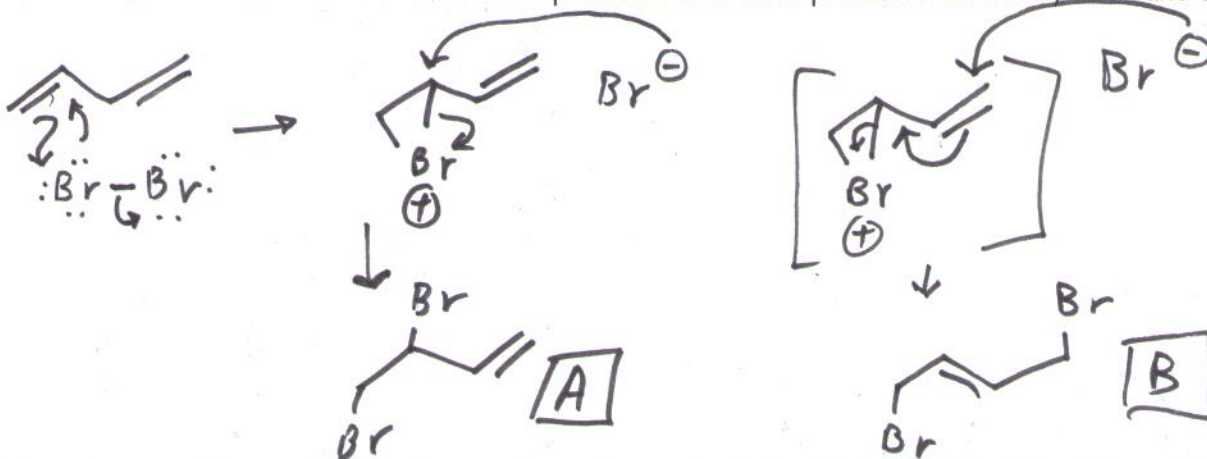


EtOH acts as base



8. When Br₂ is added to 1,3-butadiene at -15°C the product is a mixture of 60% product A and 40% product B. When the reaction is done at 60°C, the product ratio is 10% A and 90% B.

a. Draw a mechanism to account for both products and label products correctly as A and B.



b. Draw a reaction coordinate diagram for your mechanism: label starting material; A and B; intermediate(s); and transition state(s).

