

Organic Chemistry I

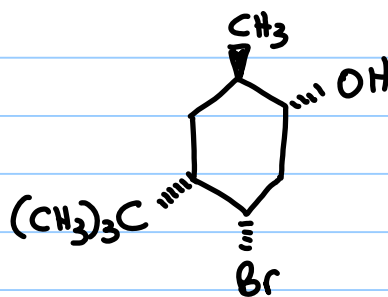
Practice Final Exam

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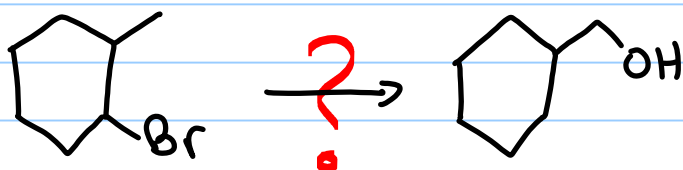
Exam solutions

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- ① Draw the most stable chair conformation for this molecule:

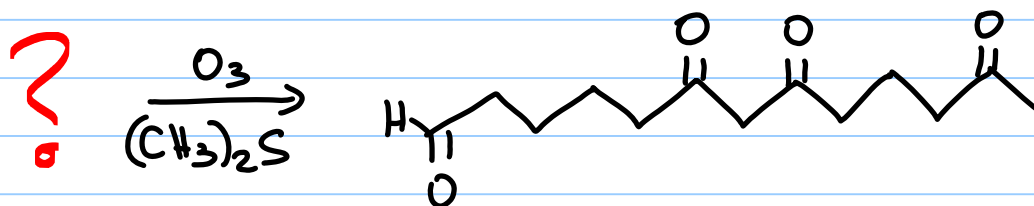


- ② Fill in the missing reagent to bring about this transformation

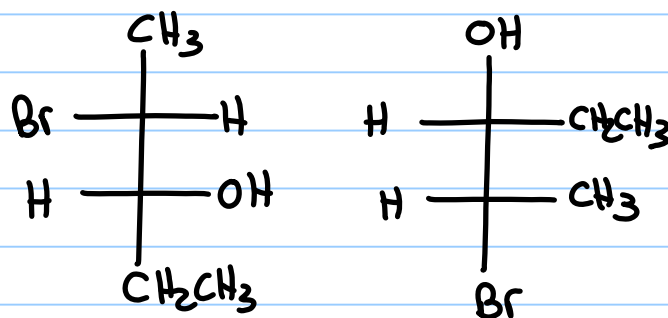


hint: multiple steps required

- ③ identify the starting molecule

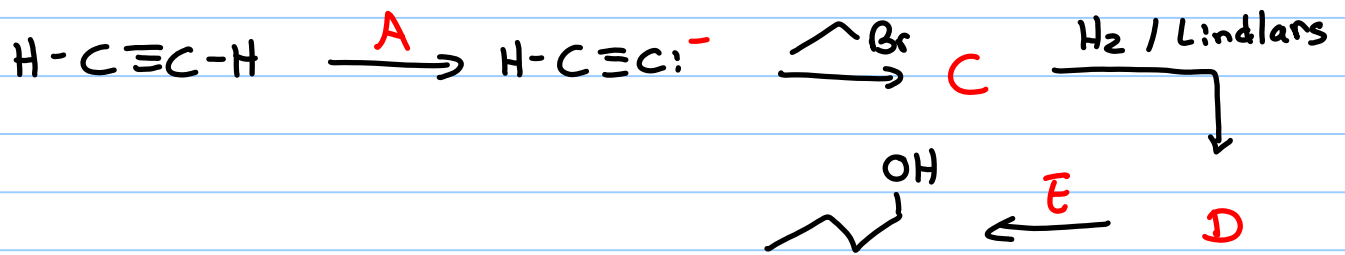


- ④ what is the relationship between these 2 molecules?

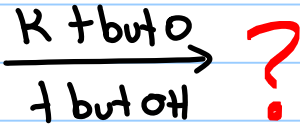
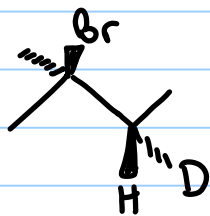


- ⑤ Draw all possible products for the monochlorination of 2-methylbutane
hint: Don't forget chirality

6) Fill in any missing reagents and intermediates

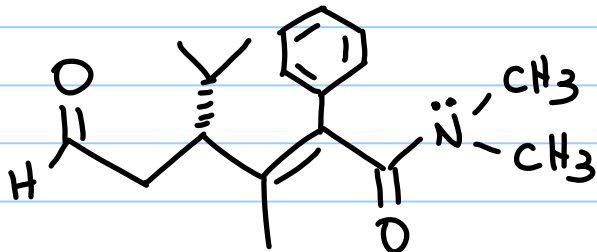


7) Identify the product of this reaction



hint: t-buto = tertbutoxide

8) Name the following compound. Be sure to include stereochemistry



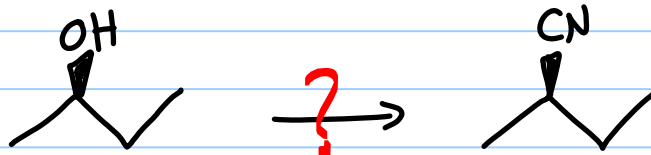
hint look for R/S, E/Z

9) Determine if this reaction favors reactants or products.

Hint: drawing helps



10) Show how to bring about the following transformation



Want to see these problems solved
with step by step explanations?

Join me THIS SATURDAY for a
free online interactive workshop

Details: LEAH4SCI.COM/orgo/workshop