



# CHEM 8410\_6410\_4410 – Organic Synthesis

THE UNIVERSITY OF  
**TOLEDO**  
1872

Instructor: Prof. Andreana  
Room #: BO 2059

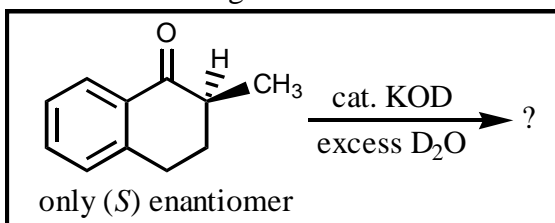
Quiz #1 of 5

10 PTS

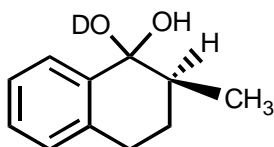
Your Name: \_\_\_\_\_

Student Number: \_\_\_\_\_

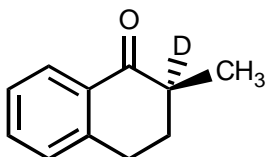
1. What organic molecule would you expect to be present **in significant amounts** under the following conditions?



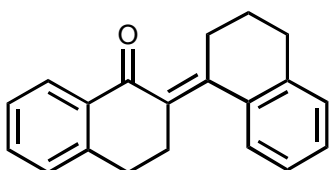
A)



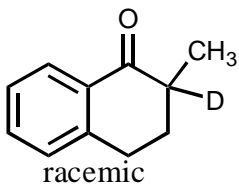
B)



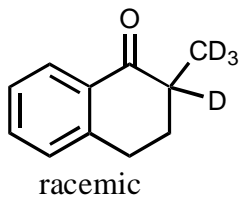
C)



D)

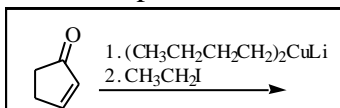


E)

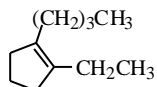




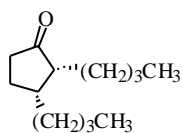
2. Predict the product of the following reaction:



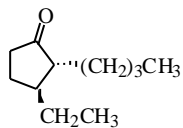
A)



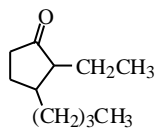
B)



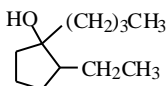
C)



D)

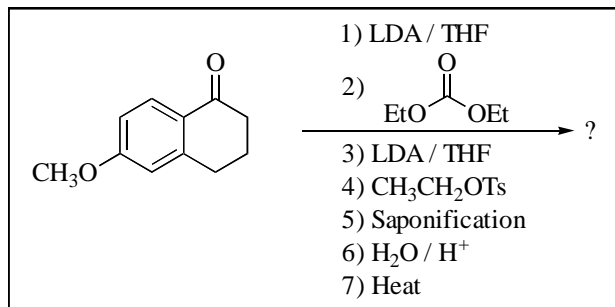


E)

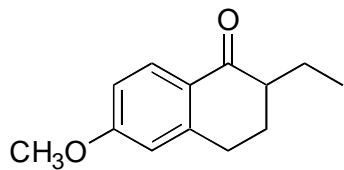




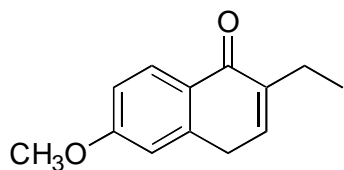
3. <sup>1872</sup> Predict the major organic product of the following reaction sequence.



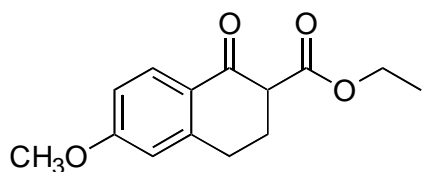
A)



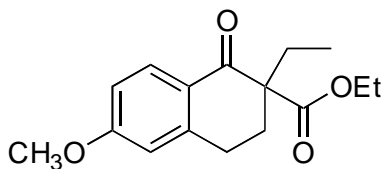
B)



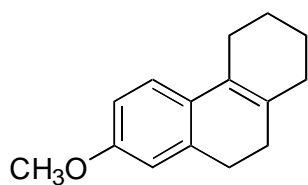
C)



D)



E)





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**Answer Key**

1. D
2. D
3. A