

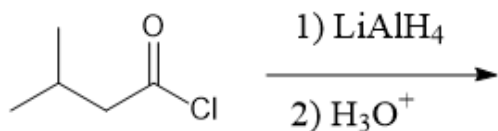


Chapter 20 Carboxylic Acids & Derivatives Part 2 – [Practice Problems](#)

Predict the major product and draw the mechanism.

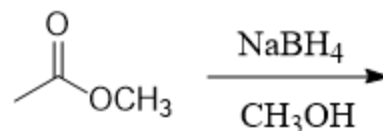
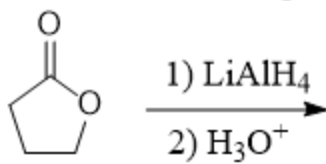
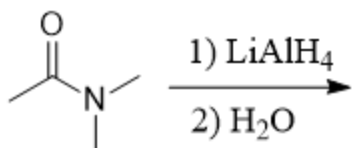
1

2



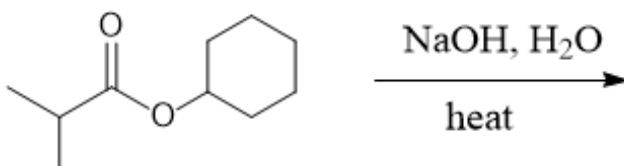
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Predict the major products for the following reactions.

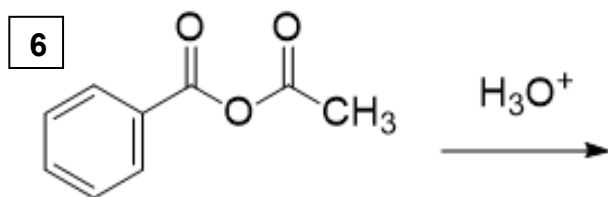
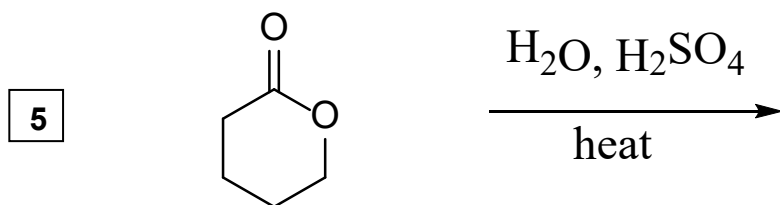


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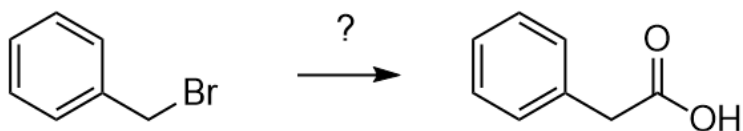
Predict the major product(s).



Predict the major product.

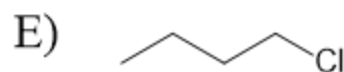
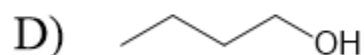
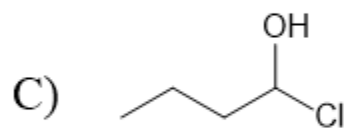
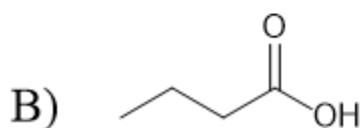
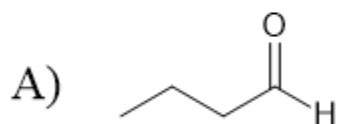


7 Which of the following sets of reagents would accomplish the given transformation?



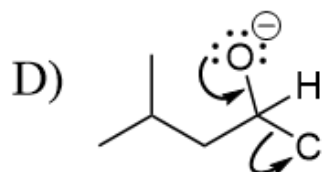
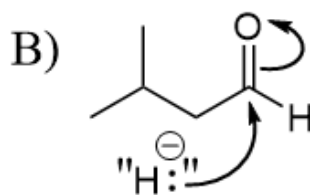
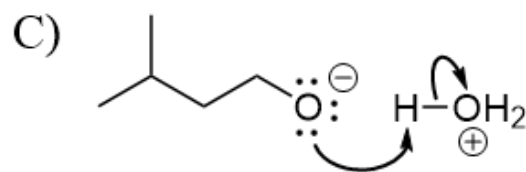
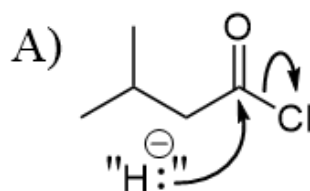
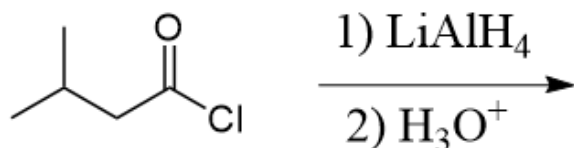
1

Predict the major product.



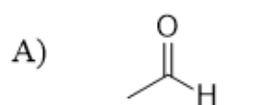
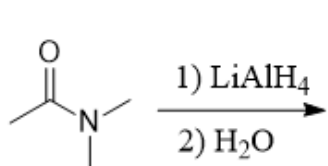
2

Which of the following is NOT a likely step in the mechanism of the following two-step transformation?

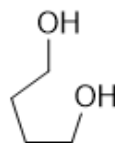
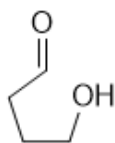
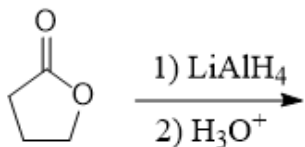
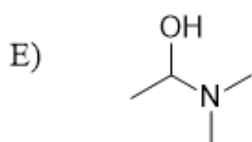


Predict the major products for the following reactions.

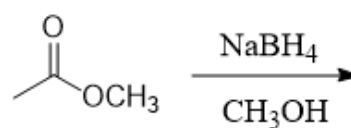
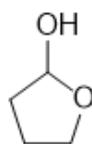
3



D) No Reaction

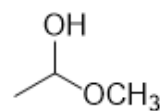
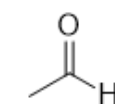
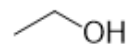


D) No Reaction

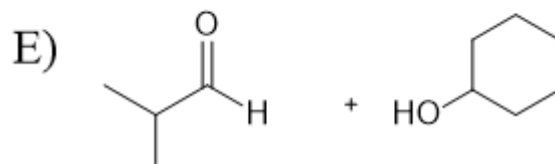
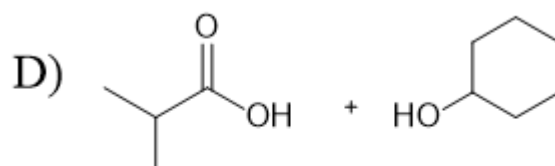
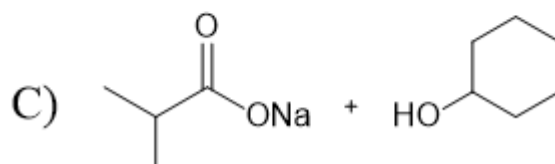
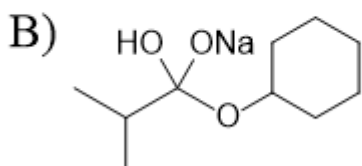
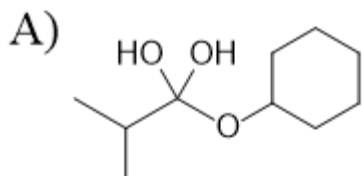
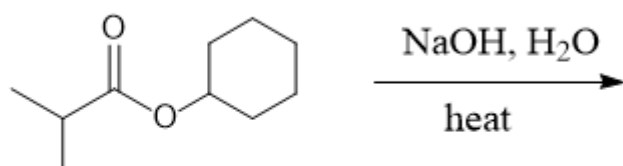


No Reaction

No Reaction

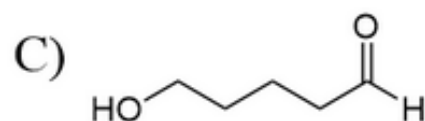
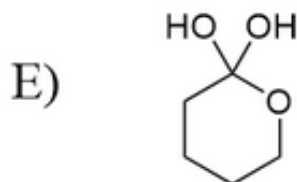
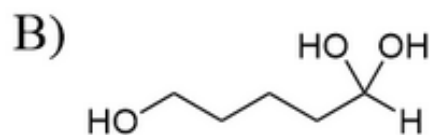
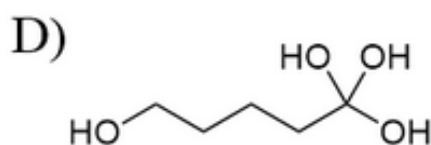
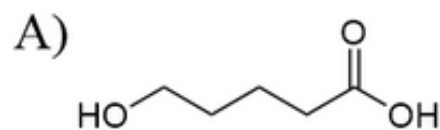
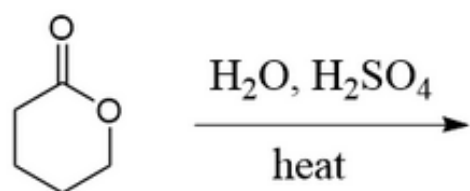


4 Predict the major product(s).



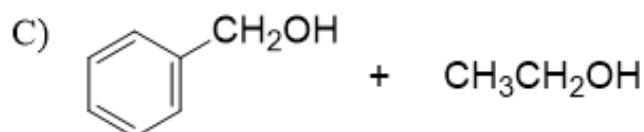
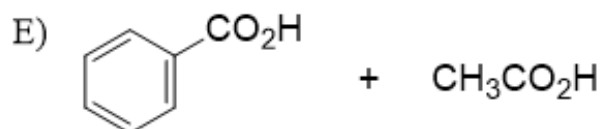
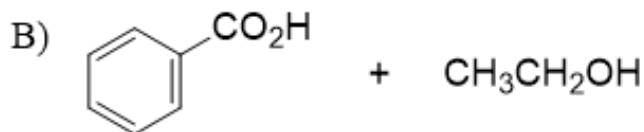
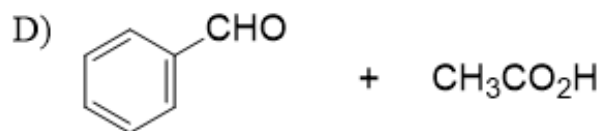
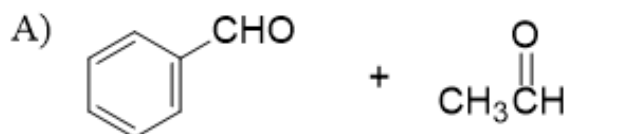
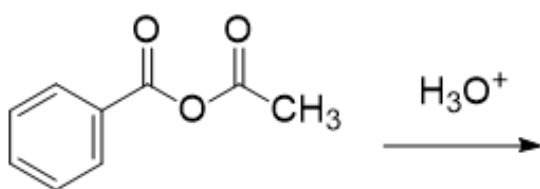
Predict the major product.

5



Which of the following are the major products of the reaction shown?*

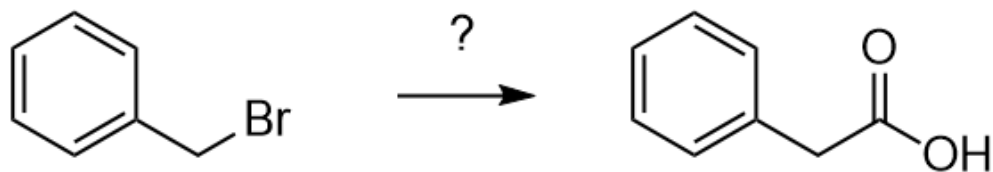
6



*Chemistry GRE
Practice test

7

Which of the following sets of reagents would accomplish the given transformation?



I. 1) Mg; 2) CO₂; 3) H₃O⁺

II. 1) NaCN; 2) H₃O⁺, heat

III. 1) Mg; 2) H₂C=O
3) H₃O⁺; 4) CrO₃, H₂SO₄

A) I and II only

B) II and III only

C) I and III only

D) I, II and III