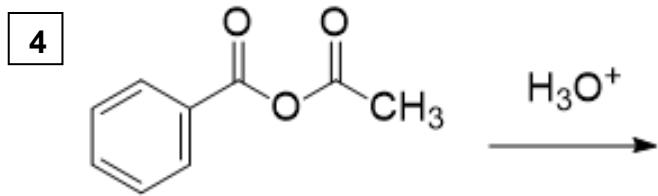
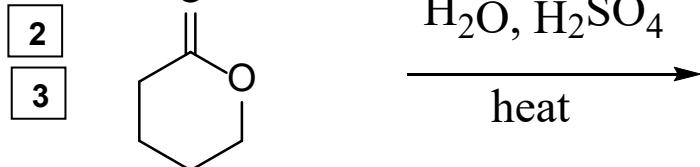
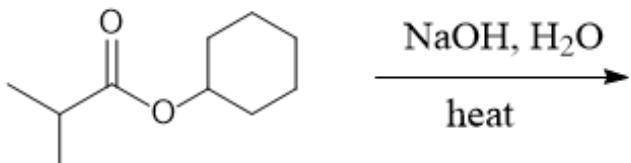


CHM 3150 Organic Chemistry II
Dr. Laurie S. Starkey, Cal Poly Pomona
Chapter 20 Carboxylic Acids & Derivatives Part 2 – Practice Problems

For clicker question voting, go to:
<https://pollev.com/lauriestarke263>

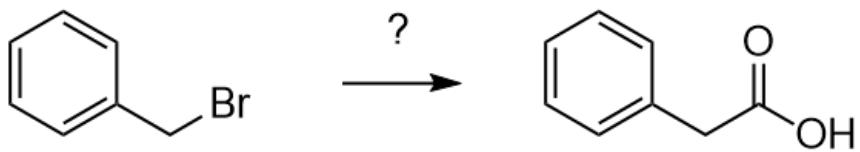


1 Predict the major product and draw the mechanism.



5

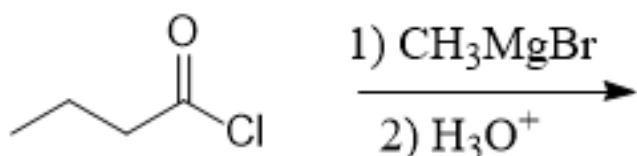
Which of the following sets of reagents would accomplish the given transformation?



- I. 1) Mg; 2) CO₂; 3) H₃O⁺
- II. 1) NaCN; 2) H₃O⁺, heat
- III. 1) Mg; 2) H₂C=O
3) H₃O⁺; 4) CrO₃, H₂SO₄

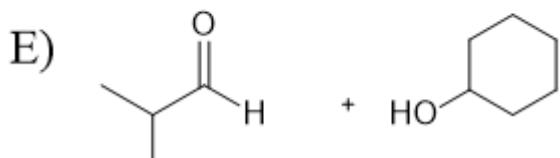
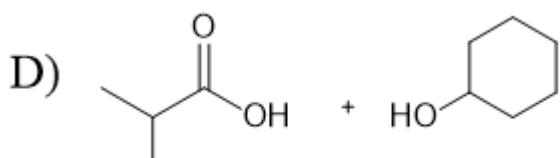
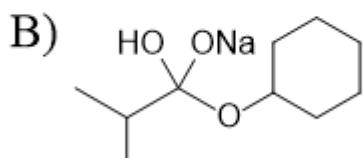
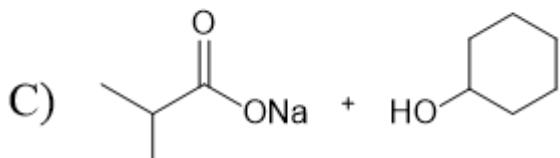
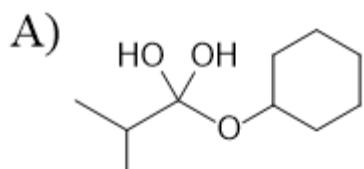
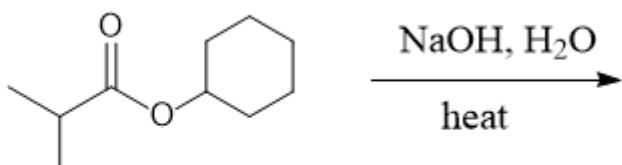
6

Predict the major product.



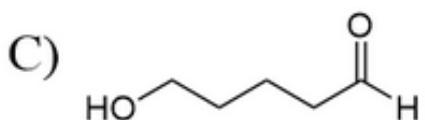
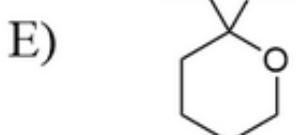
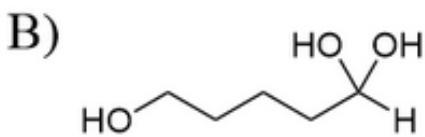
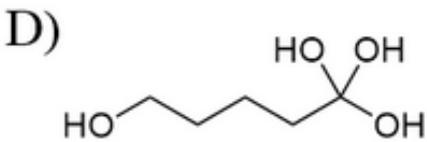
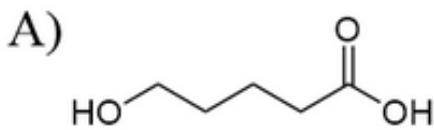
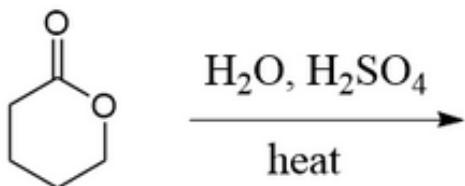
Predict the major product(s).

1



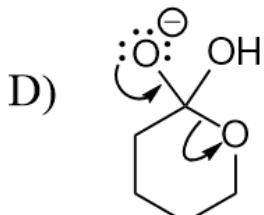
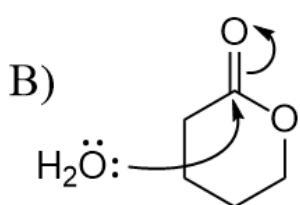
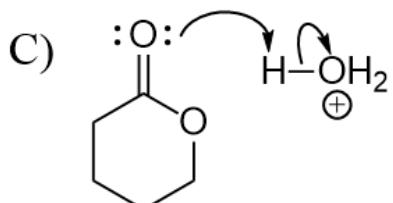
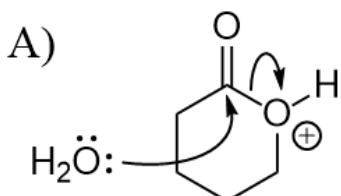
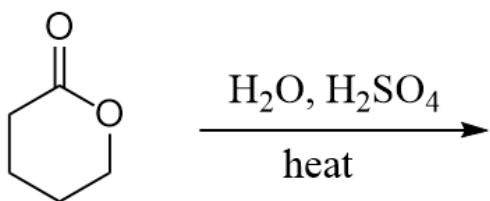
2

Predict the major product.



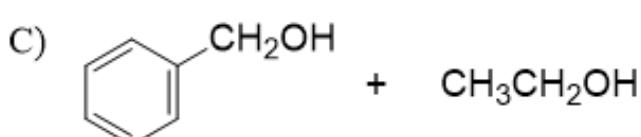
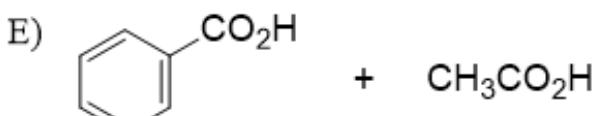
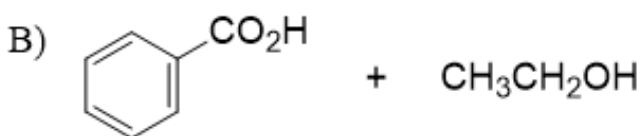
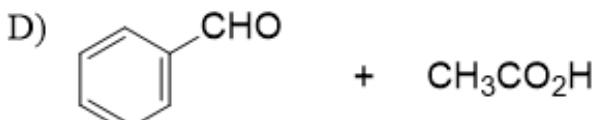
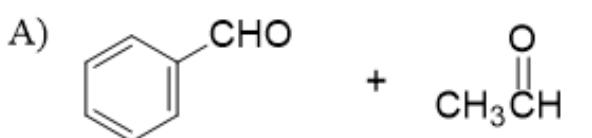
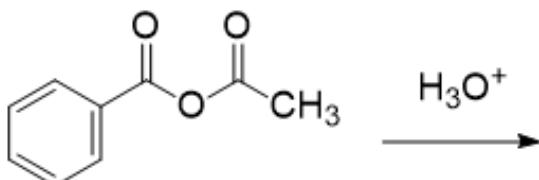
3

Which of the following is a likely step in the mechanism of the given reaction?



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

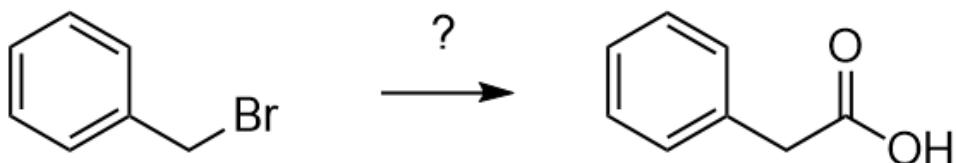
4



*Chemistry GRE Practice test

5

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



I. 1) Mg; 2) CO₂; 3) H₃O⁺

A) I and II only

II. 1) NaCN; 2) H₃O⁺, heat

B) II and III only

III. 1) Mg; 2) H₂C=O

C) I and III only
D) I, II and III

3) H₃O⁺; 4) CrO₃, H₂SO₄

6

Predict the major product.

