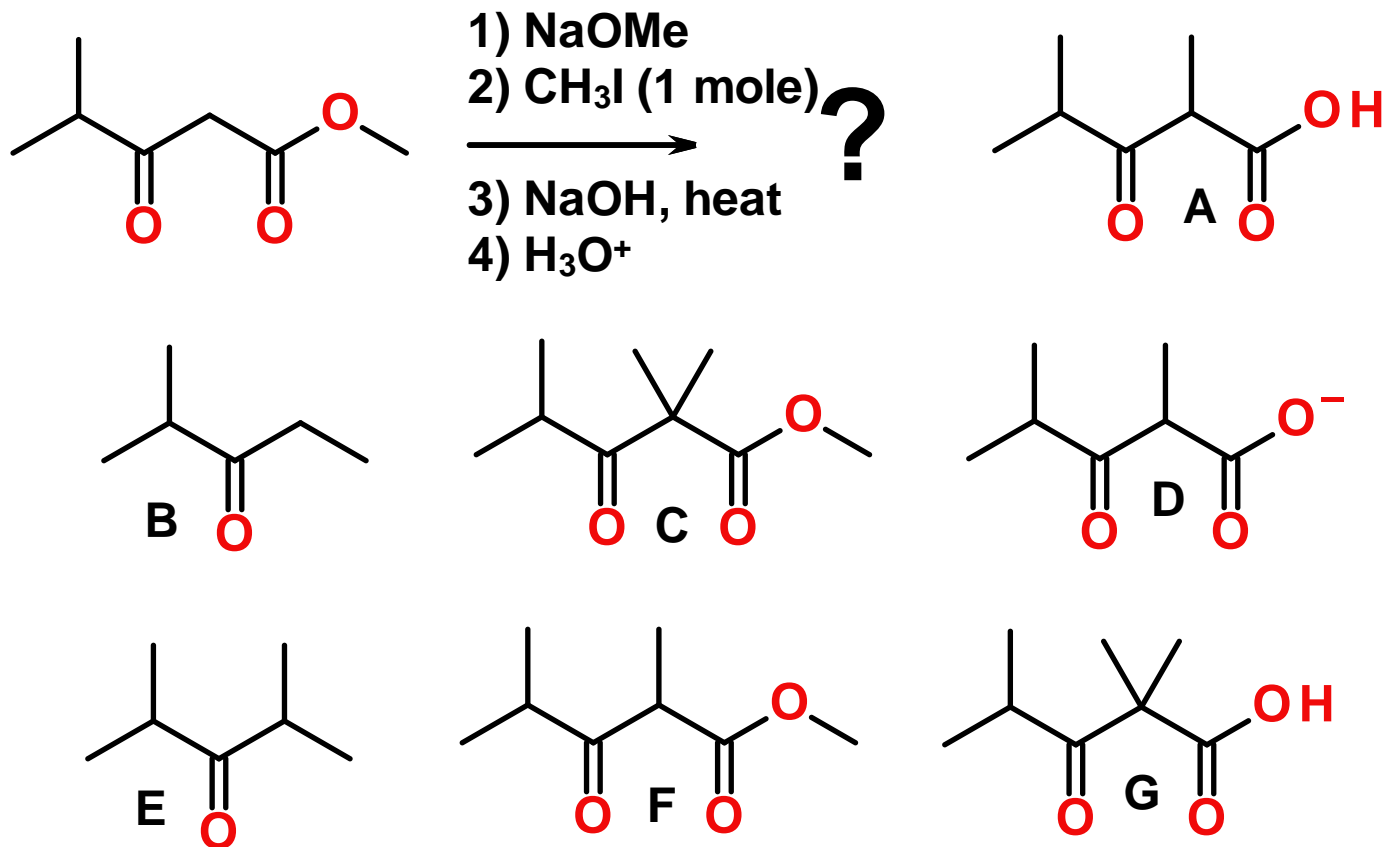


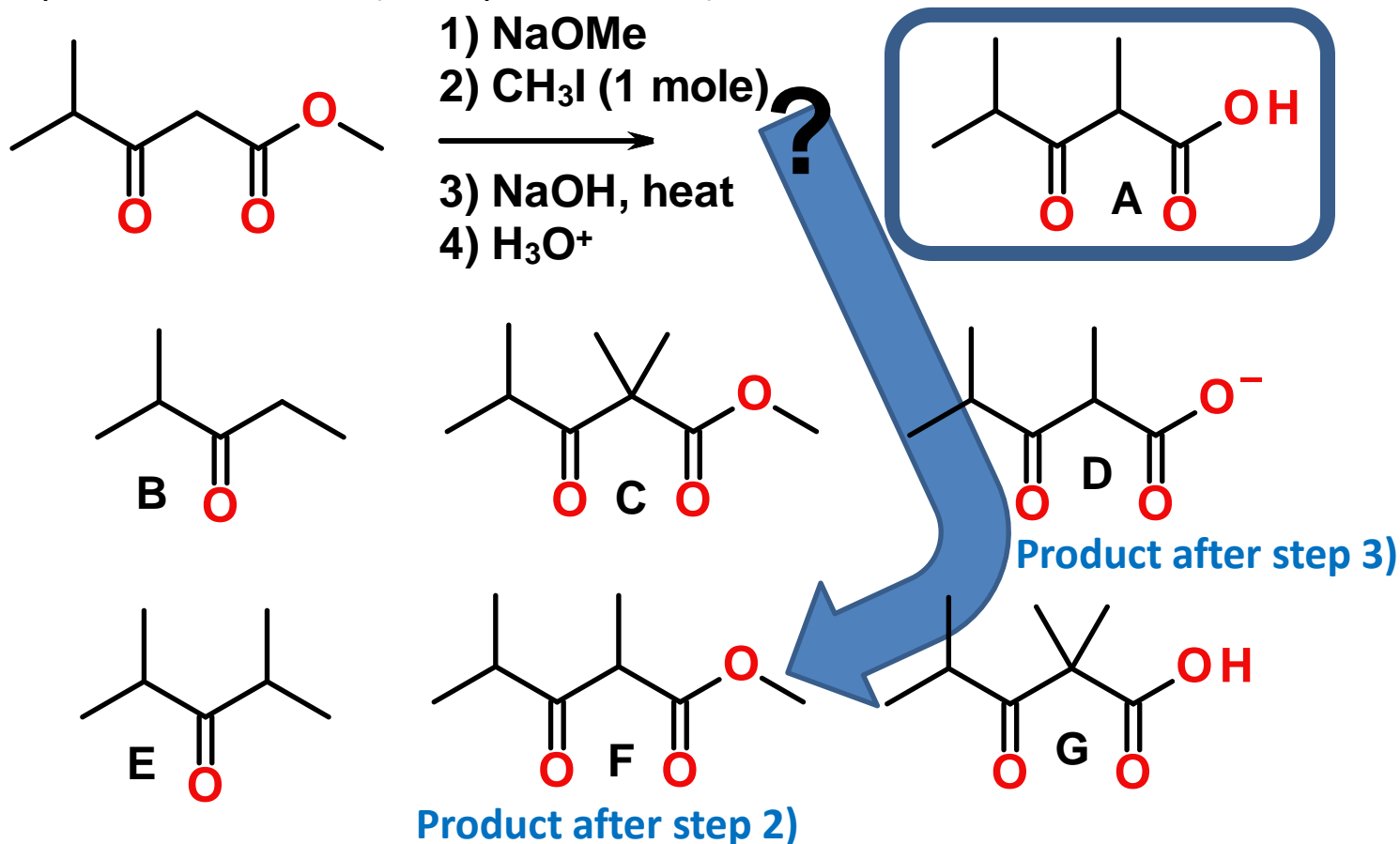
Give the major organic product(s) of the following reaction. Give your answer as a text answer, with the correct answers being listed in alphabetical order. (Example: xxxx ab)



H - None of these products are a major product of the reaction that is shown.

2016-11-07 Q1

Give the major organic product(s) of the following reaction. Give your answer as a text answer, with the correct answers being listed in alphabetical order. (Example: xxxx ab)



H - None of these products are a major product of the reaction that is shown.

2016-11-07 Q1

Exam 3

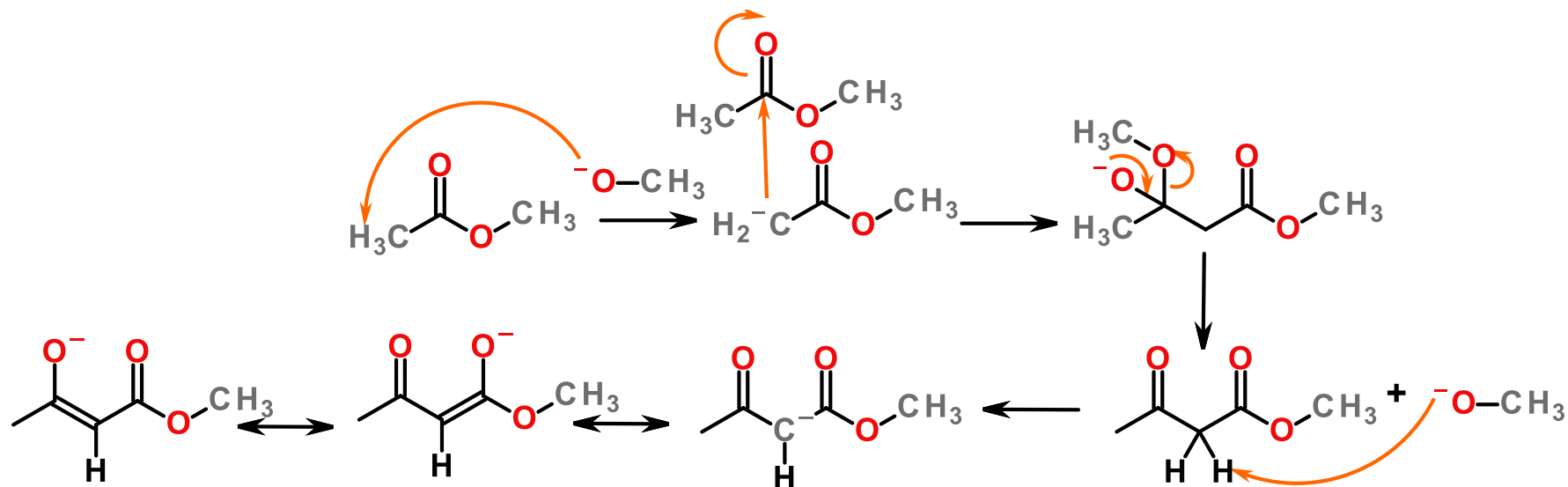
- **Time:**
 - Tuesday, November 8: 7:00 – 9:00PM OR
 - Wednesday, November 9: 7:00 – 9:00PM OR
 - Thursday, November 10: 7:00 – 10:00PM
- **Location – Soc/Anthro Testing Center**
 - Chapters will be covered in this order: Chapter 17, 18
- **Practice Exams are Posted**
 - Ex3A Practice Exam 3A
 - Ex3B Practice Exam 3B
- **Deadline for alternate arrangements is Monday, 11/7/2016 at 4:30 PM (i.e., close of business)**
 - An oral make-up exam will be required for making up the exam for all students not taking the exam on the above dates or having already made prior arrangements

Assignment	Due Date
Ex4-01-B7-18-06B Claisen Condensation	Friday, November 11, 2016
Ex4-02-B7-18-06C Claisen Condensation	Saturday, November 12, 2016
Ex4-03-B7-18-08B A-B Unsaturated Rxns	Sunday, November 13, 2016
Ex4-04-B7-18-08C A-B Unsaturated Rxns	Monday, November 14, 2016
Ex4-05-B7-18-09A Carb Classification	Tuesday, November 15, 2016
Ex4-06-B7-19-01 Hemiacetal Formation	Wednesday, November 16, 2016
Ex4-07-B7-19-02 Carbohydrate Reactions	Thursday, November 17, 2016
Ex4-08-B7-19-02 Kiliani-Fischer Synthesis	Friday, November 18, 2016
Ex4-09-B7-19-03 Important Carbohydrates	Monday, November 28, 2016
Ex4-10-B7-19-04 Carbs in Blood Types	Monday, November 28, 2016
Thanksgiving Break	
Ex4-11-B7-20-01 Amino Acid Nomenclature	Tuesday, November 29, 2016
Ex4-12-B7-20-01B Amino Acid Naming	Wednesday, November 30, 2016
Ex4-13-B7-20-02 Amino Acid Acid Base	Thursday, December 1, 2016
Ex4-14-B7-20-03 Edmann Degradation	Friday, December 2, 2016
Ex4-15-B7-20-04 Merrified Peptide Synthesis	Saturday, December 3, 2016
Ex4-16-B7-20-05 Synthesis in Peptides	Sunday, December 4, 2016

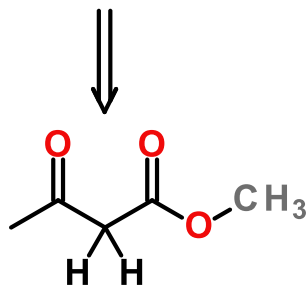
Exam 4 (Cumulative Exam)

- **Time:**
 - Thursday, December 8: 2:00 – 4:00PM OR
 - Saturday, December 10: 10:00 am – Noon OR
 - Saturday, December 10: 1:00 – 4:00PM
- **Location – Soc/Anthro Testing Center**
 - Chapters will be covered in this order: Chapter 18, 19, 20
- **Practice Exams are Posted**
 - Ex4-90A Practice Final Exam
 - Ex4-90B Practice Final Exam
- **Deadline for alternate arrangements is Monday, 12/5/2016 at 4:30 PM (i.e., close of business)**
 - An oral make-up exam will be required for making up the exam for all students not taking the exam on the above dates or having already made prior arrangements

Claisen Condensation



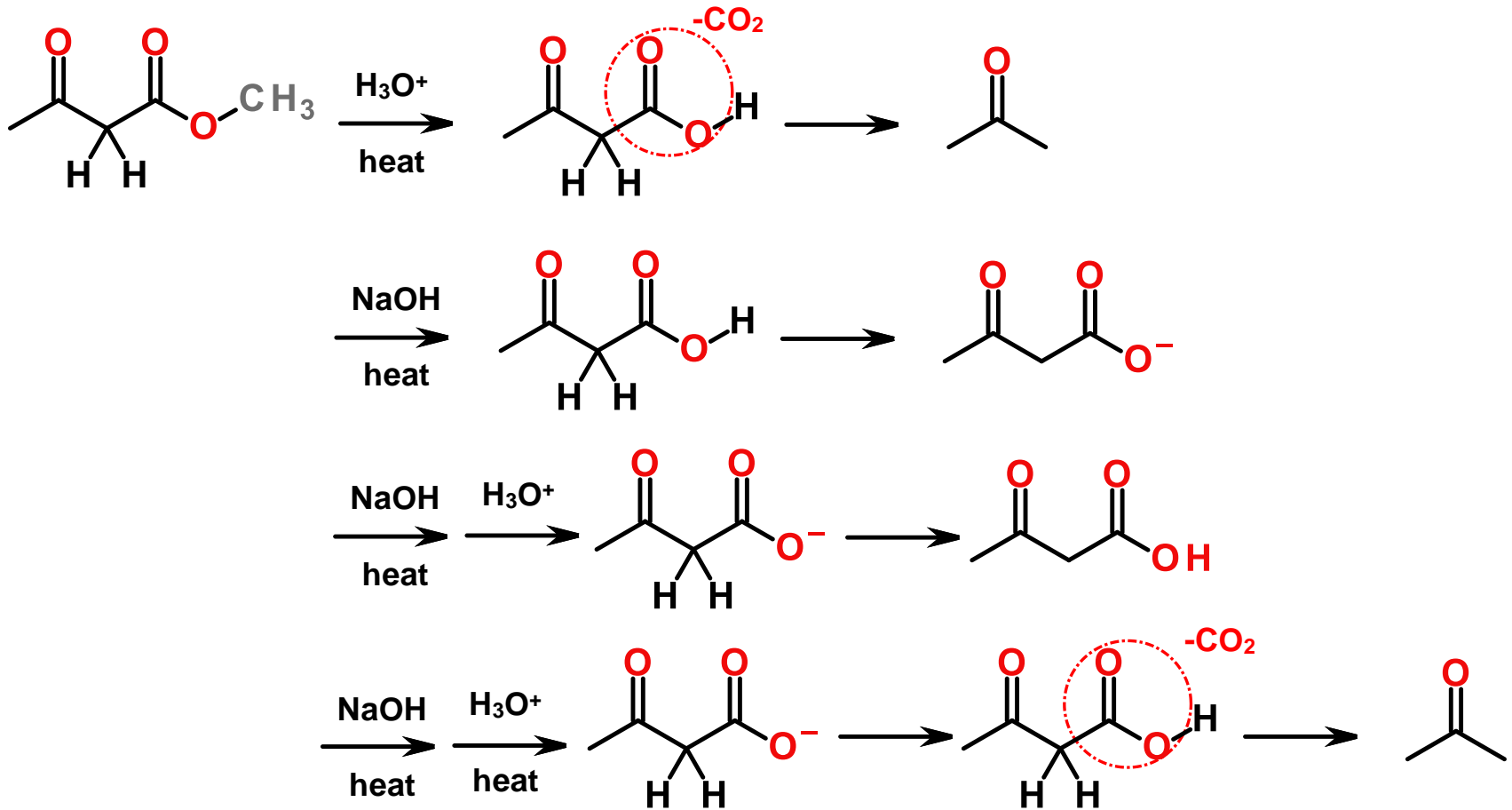
Resonance structures hold this together



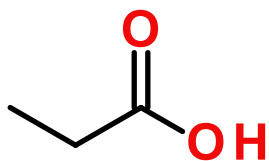
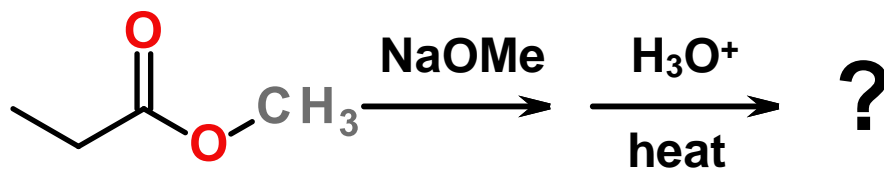
2 exchangeable H's need to hold β-keto ester together

Work-up Options

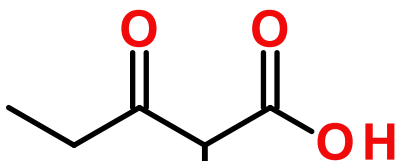
Similar to Malonic Ester Synthesis



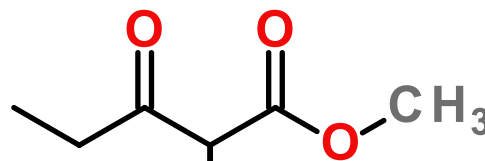
Give the major organic product(s) of the following reaction. Give your answer as a text answer, with the correct answers being listed in alphabetical order. (Example: xxxx a b)



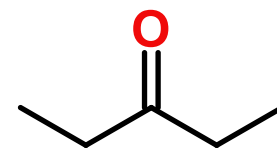
A



B



C

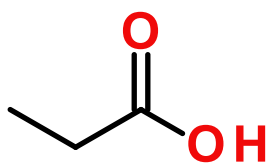
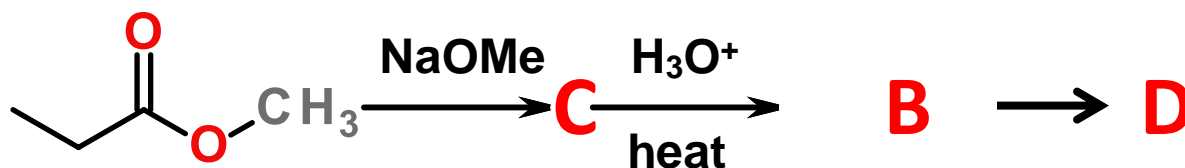


D

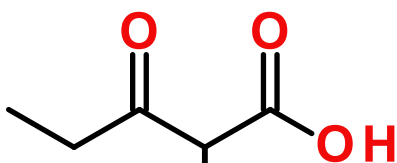
E - None of these products are a major product of the reaction that is shown.

2016-11-07 Q2

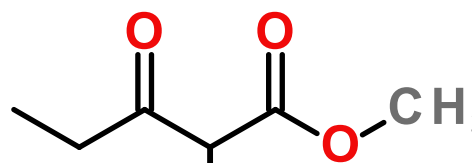
Give the major organic product(s) of the following reaction. Give your answer as a text answer, with the correct answers being listed in alphabetical order. (Example: xxxx a b)



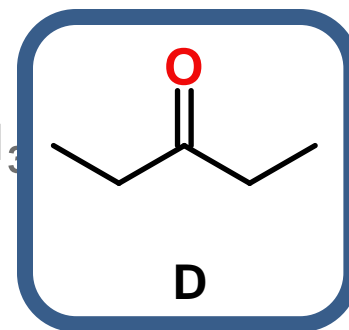
A



B



C

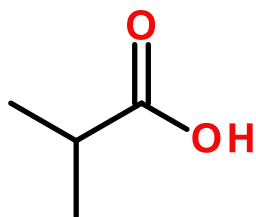
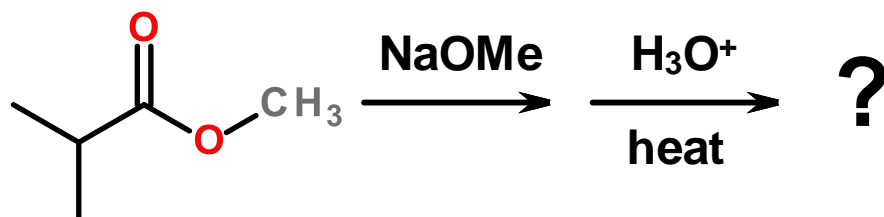


D

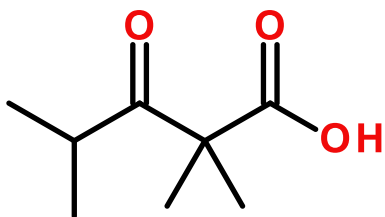
E - None of these products are a major product of the reaction that is shown.

2016-11-07 Q2

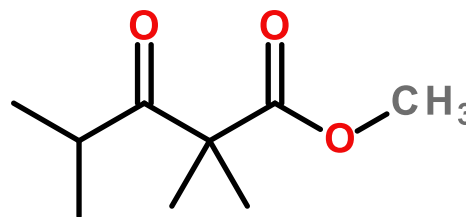
Give the major organic product(s) of the following reaction. Give your answer as a text answer, with the correct answers being listed in alphabetical order. (Example: xxxx a b)



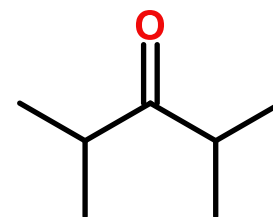
A



B



C



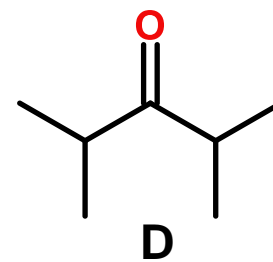
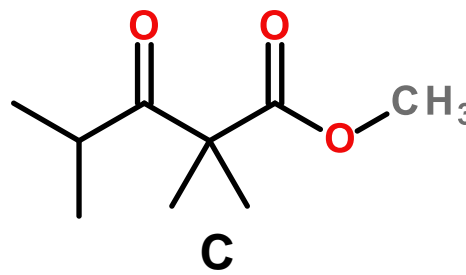
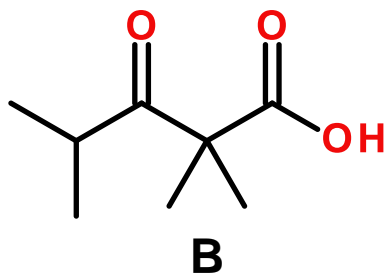
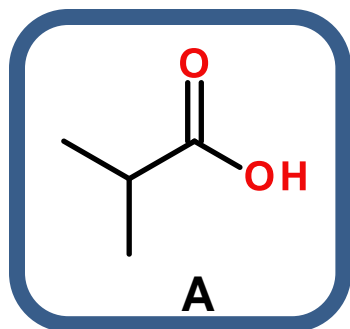
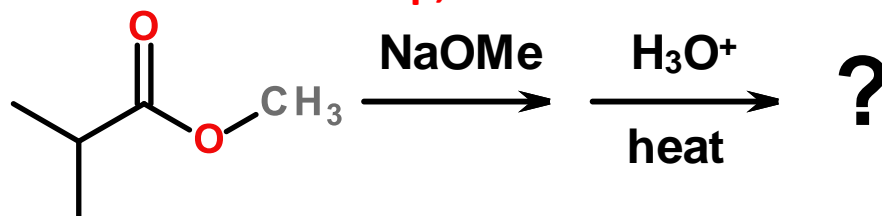
D

E - None of these products are a major product of the reaction that is shown.

2016-11-07 Q3

Give the major organic product(s) of the following reaction. Give your answer as a text answer, with the correct answers being listed in alphabetical order. (Example: xxxx a b)

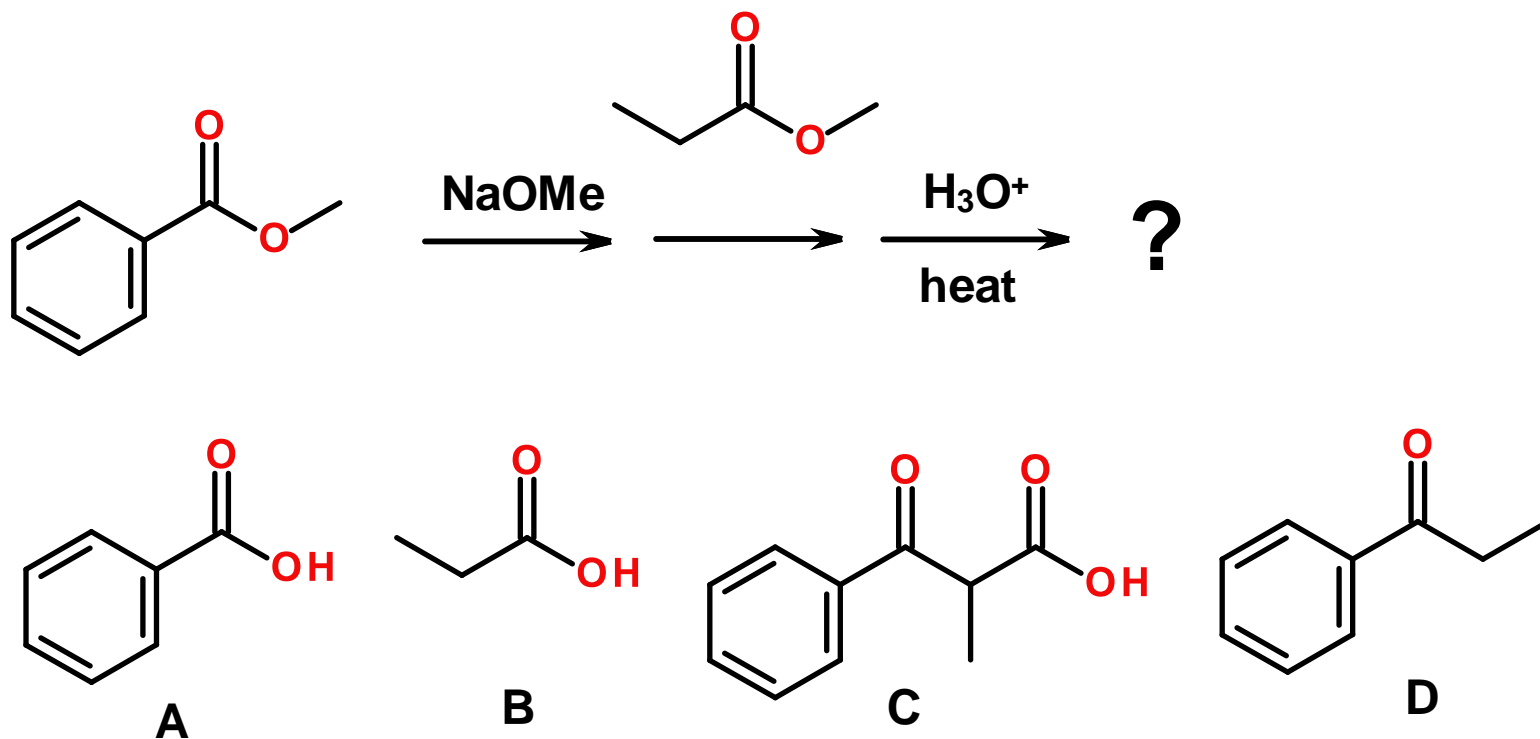
No reaction after the first step, since there are not 2 exchangeable H's



E - None of these products are a major product of the reaction that is shown.

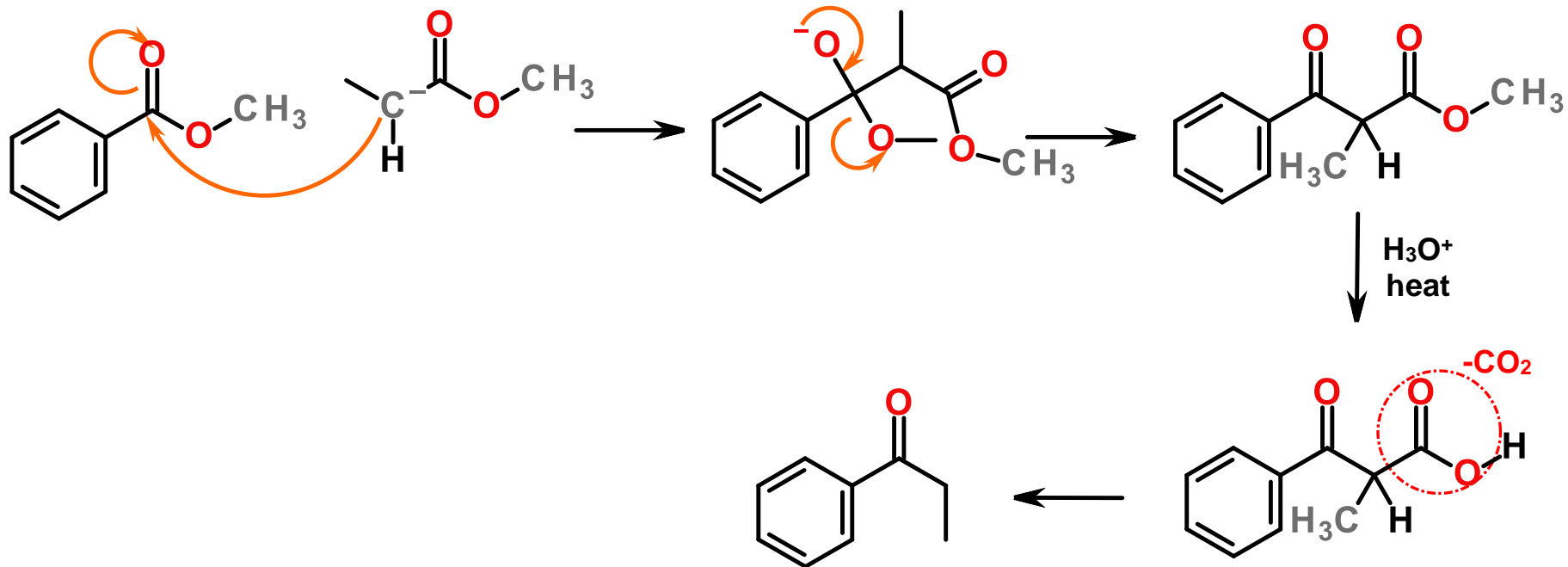
2016-11-07 Q3

Give the major organic product(s) of the following reaction. Give your answer as a text answer, with the correct answers being listed in alphabetical order. (Example: xxxx a b)

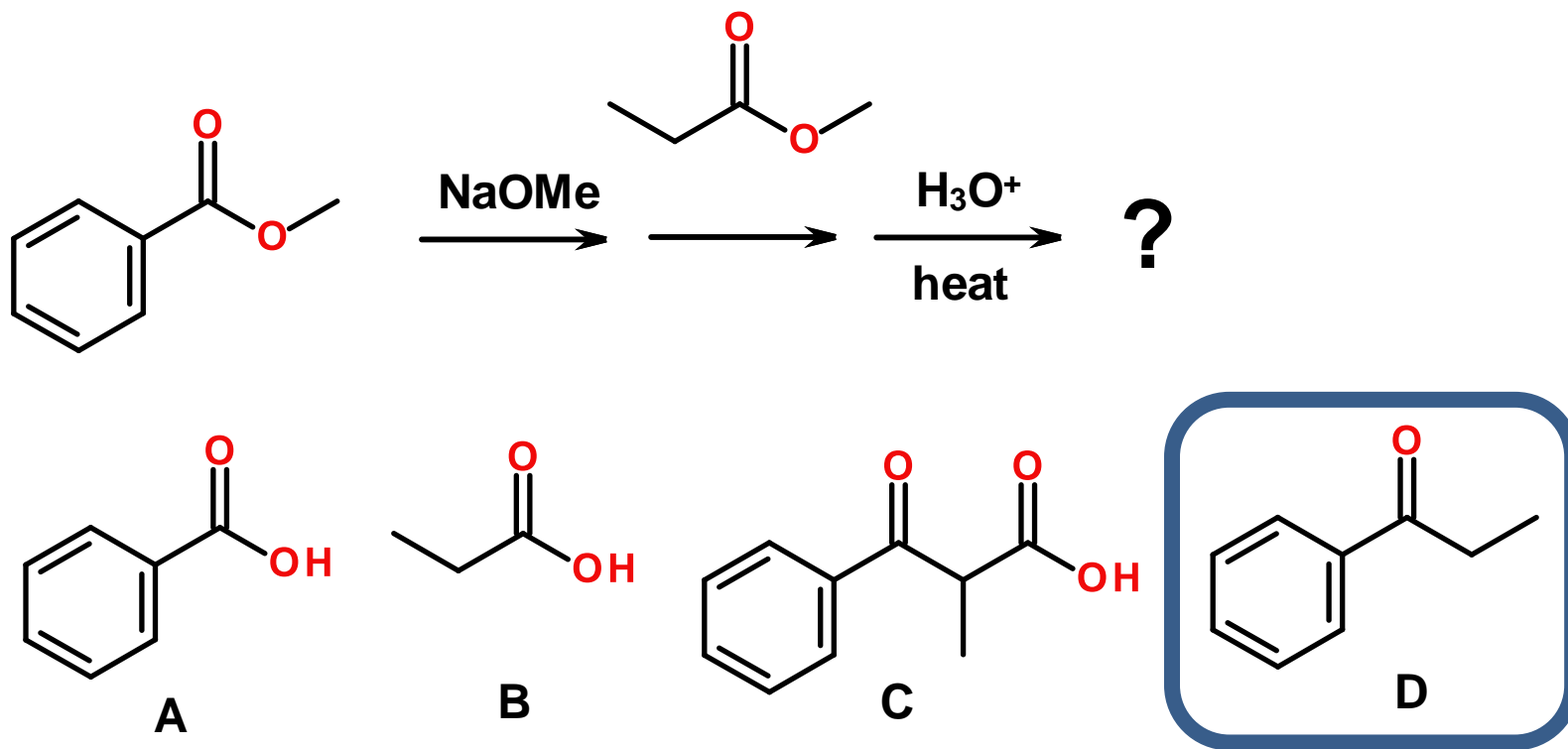


E - None of these products are a major product of the reaction that is shown.

2016-11-07 Q4



Give the major organic product(s) of the following reaction. Give your answer as a text answer, with the correct answers being listed in alphabetical order. (Example: xxxx a b)



E - None of these products are a major product of the reaction that is shown.

2016-11-07 Q4