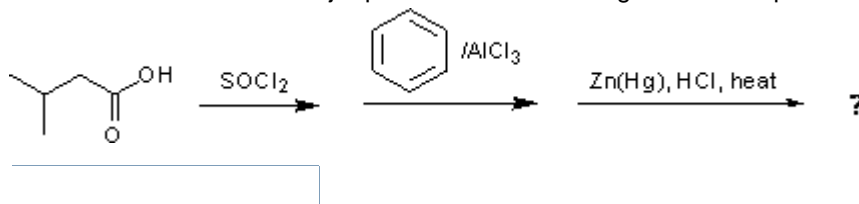


 **Preview Assessment: Workshop 6**

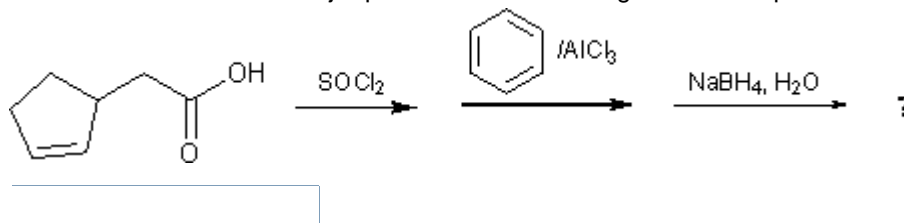
Name Workshop 6

Instructions**Multiple Attempts** This Test allows multiple attempts.**Force Completion** This Test can be saved and resumed later.▼ **Question Completion Status:****Question 1****1 points** [Save](#)

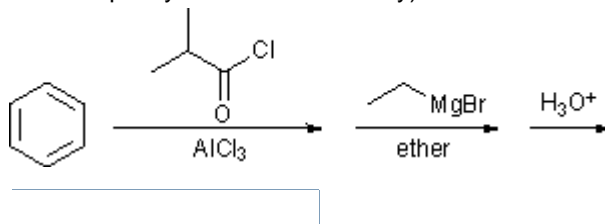
Draw the structure of the major product of the following reaction sequence:

**Question 2****1 points** [Save](#)

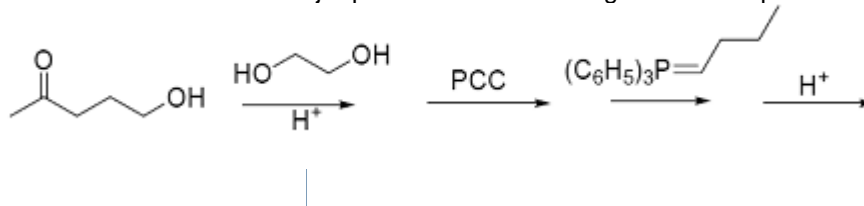
Draw the structure of the major product of the following reaction sequence:

**Question 3****1 points** [Save](#)

Draw the structure of the major product of the following reaction sequence (you do not need to specify the stereochemistry):

**Question 4****1 points** [Save](#)

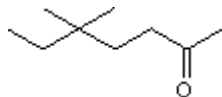
Draw the structure of the major product of the following reaction sequence.



Question 5

1 points [Save](#)

What is the correct IUPAC name for the compound below?

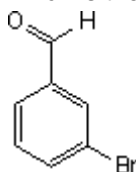


- 5,5-Dimethyl-2-heptanone
 5-Ethyl-5,5-dimethyl-Methyl-2-octanone
 5-Ethyl-5-methyl- 2-hexanone
 5,5-Dimethyl-2-octanone
 3,3-Dimethyl-6-heptanone

Question 6

1 points [Save](#)

Which is the proper name for the compound below?

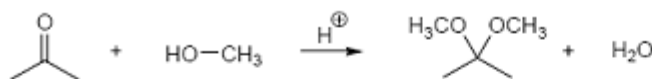


- 5-Bromobenzaldehyde
 5-Aldehydebromobenzene
 3-Bromobenzaldehyde
 3-Aldehydebromobenzene

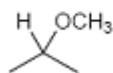
Question 7

1 points

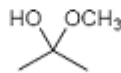
Choose the species that is not an intermediate in the following acid catalyzed reaction.



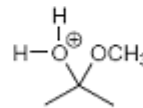
(A)



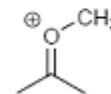
(B)



(C)



(D)

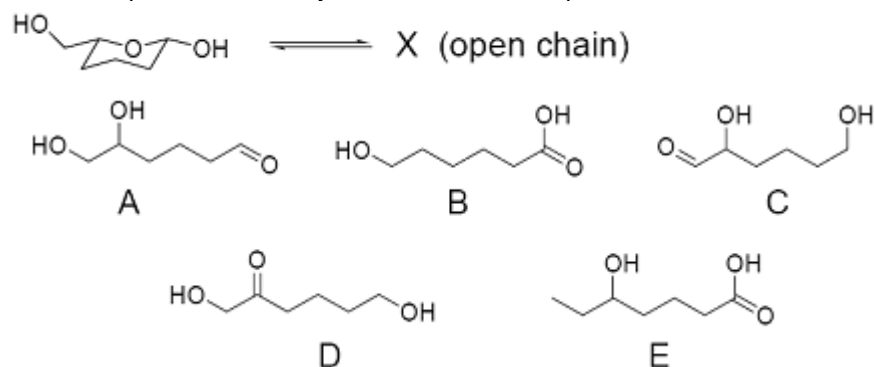


(E)

- A
 B
 C
 D
 E

Question 8**1 points**[Save](#)

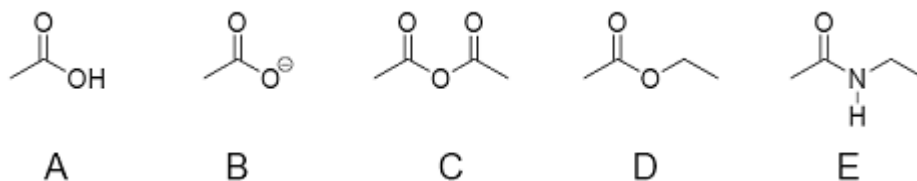
The compound shown below is a cyclic hemiacetal. It is in equilibrium with an acyclic open chain compound X. Identify the structure of compound X.



- A
 B
 C
 D
 E

Question 9**1 points**[Save](#)

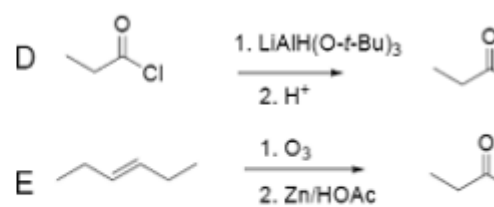
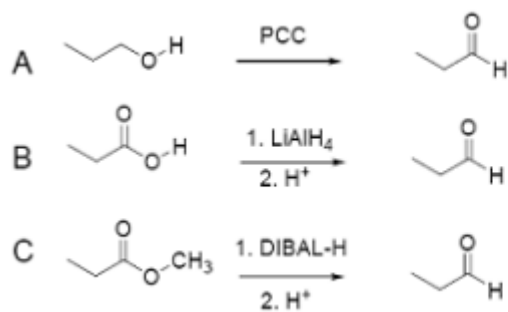
Which of the following compounds would have the highest frequency C=O absorption band in its IR (infrared) spectrum.



- A
 B
 C
 D
 E

Question 10

Shown below are five possible syntheses of propionaldehyde. Which one would not work?



- A
- B
- C
- D
- E

Save

Submit