

CHM 234, Spring 2018

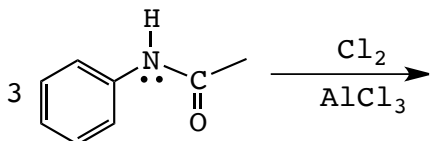
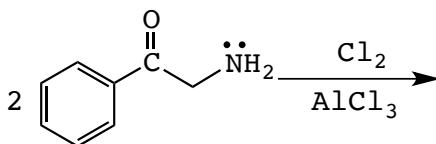
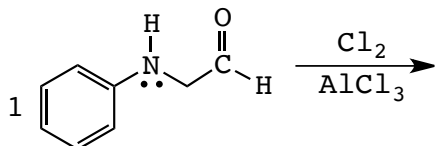
QUIZ #10

(hit the RETURN Button to return to the Main Quiz Page)

QUESTION 1

MC32m

For the following reactions indicated as 1, 2 and 3, which is the correct order of INCREASING rate of electrophilic aromatic substitution?

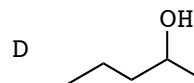
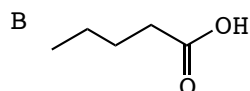
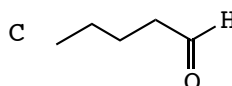
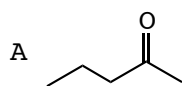
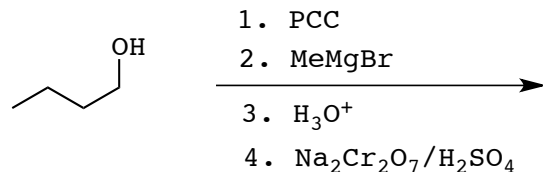


- A 1 (slowest) < 2 < 3 (fastest)
 B 2 (slowest) < 3 < 1 (fastest)
 C 1 (slowest) < 3 < 2 (fastest)
 D 3 (slowest) < 2 < 1 (fastest)

QUESTION 2

MC33c

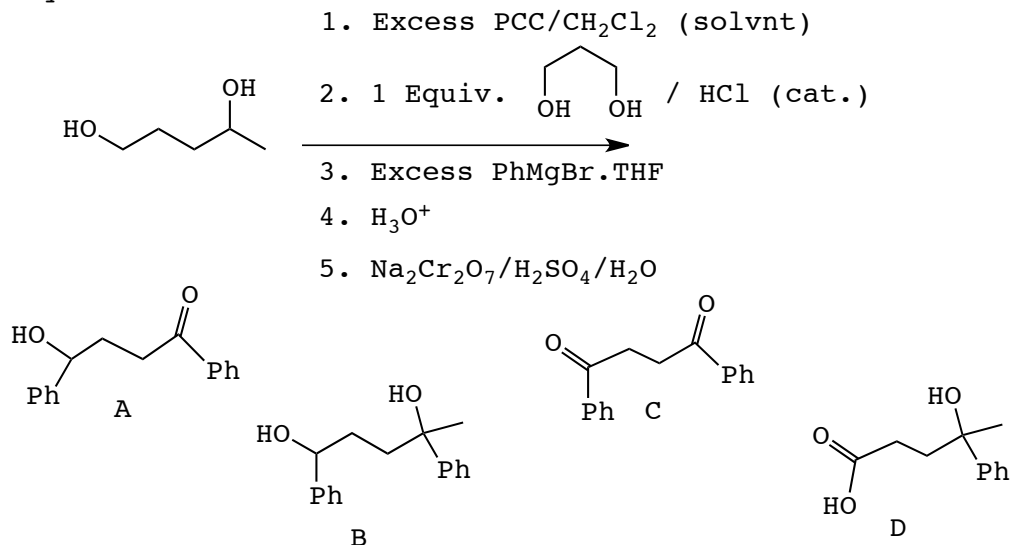
Which best describes the product of the following reaction sequence?



QUESTION 3

MC33e

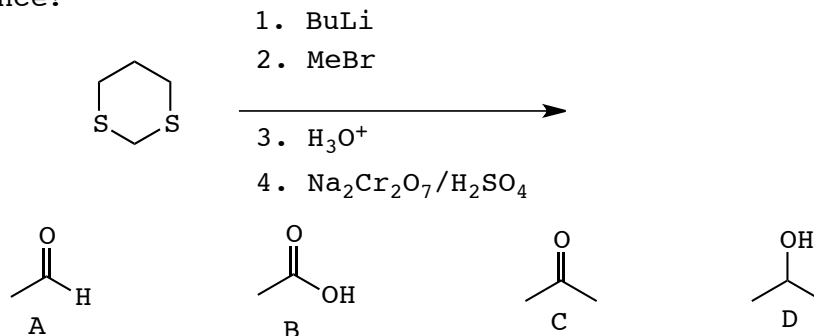
Which best describes the product of the following reaction sequence?



QUESTION 4

MC33f

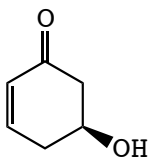
Which best describes the product of the following reaction sequence?



QUESTION 5

MC33r

Which is a correct IUPAC name for the following structure?

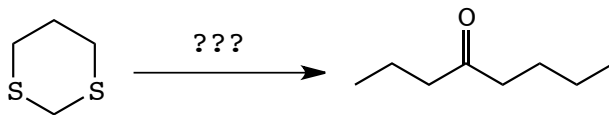


- A (5S)-hydroxycyclohex-2-enone
 - B (5S)-hydroxycyclohexen-2-one
 - C (5R)-hydroxycyclohex-2-enone
 - D (5S)-hydroxycyclohex-2-eneone
-

QUESTION 6

MC33n

Select the best reagents and conditions to perform the following ketone synthesis

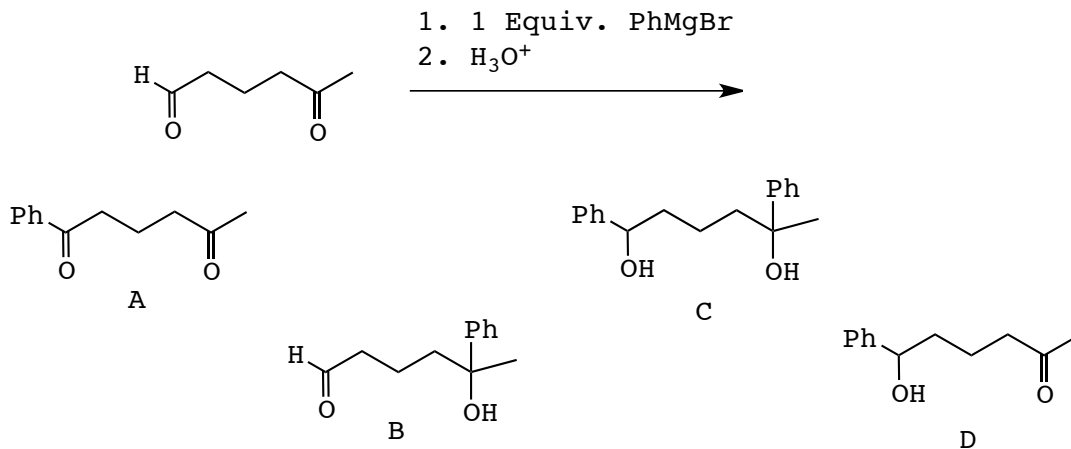


- | | | | |
|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| 1. BuLi | 1. Excess BuLi | 1. BuLi | 1. BuLi |
| 2. PrBr | 2. EtBr | 2. PrBr | 2. EtBr |
| 3. H ₃ O ⁺ | 3. PrBr | 3. BuLi | 3. BuLi |
| 4. BuLi | 4. H ₃ O ⁺ | 4. BuBr | 4. PrBr |
| 5. BuBr | | 5. H ₃ O ⁺ | 5. H ₃ O ⁺ |
| 6. H ₃ O ⁺ | | | |
| A | B | C | D |
-

QUESTION 7

MC33k

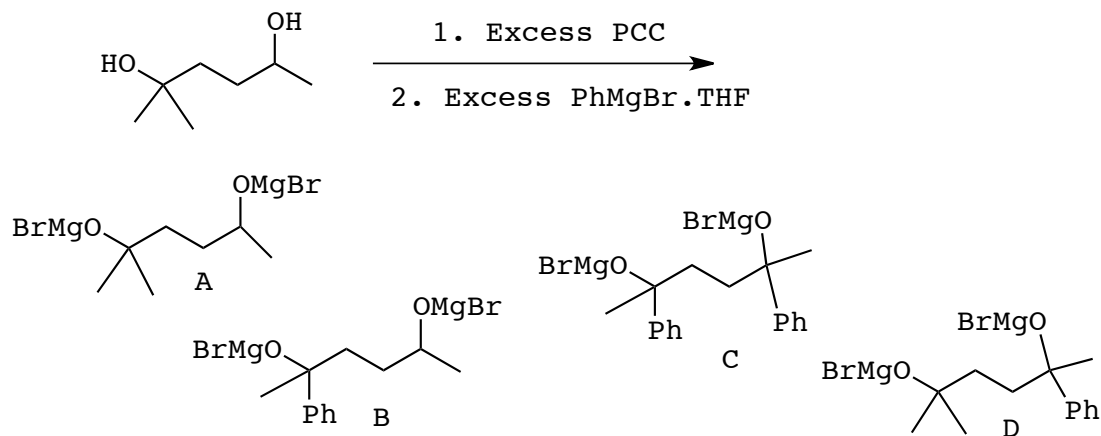
Give the best product for the following reaction



QUESTION 8

MC33d

Which best describes the product of the following reaction sequence?



QUESTION 9

There are NO INCORRECT answers to this question, ALL answers to this question will be considered correct for grading purposes

I believe I can earn an A grade in organic chemistry

- A Never
- B Rarely
- C Sometimes
- D Often
- E Always

QUESTION 10

There are NO INCORRECT answers to this question, ALL answers to this question will be considered correct for grading purposes

I am confident that I will do well on organic chemistry tests

- A Never
- B Rarely
- C Sometimes
- D Often
- E Always

QUESTION 11

There are NO INCORRECT answers to this question, ALL answers to this question will be considered correct for grading purposes

I believe that I can master organic chemistry knowledge and skills

- A Never
- B Rarely
- C Sometimes
- D Often
- E Always

QUESTION 12

There are NO INCORRECT answers to this question, ALL answers to this question will be considered correct for grading purposes

I'm sure I can understand organic chemistry

- A Never
- B Rarely
- C Sometimes
- D Often
- E Always