

CHM 234, Spring 2018

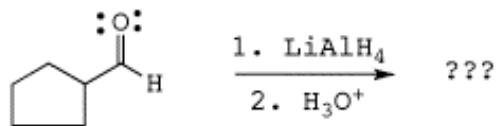
QUIZ #4

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

QUESTION 1

MC29s

Identify the following reaction as indicated
(stereochemistry is ignored)

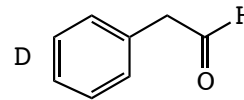
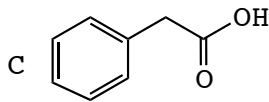
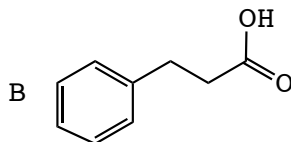
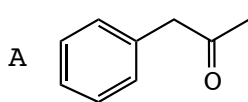
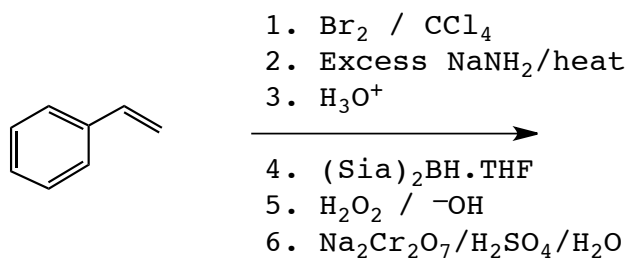


- A addition and neither oxidation or reduction
 - B elimination and neither oxidation or reduction
 - C addition and reduction
 - D elimination and oxidation
-

QUESTION 2

MC29i

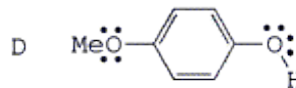
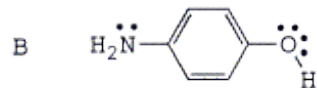
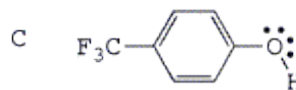
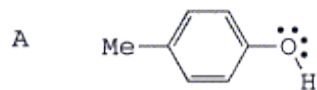
Give the product of the following reaction sequence with the starting material shown



QUESTION 3

MC29p

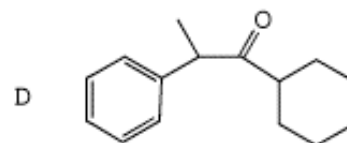
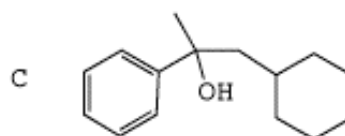
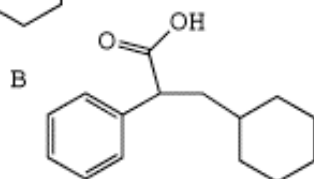
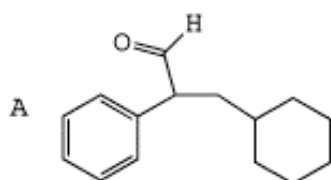
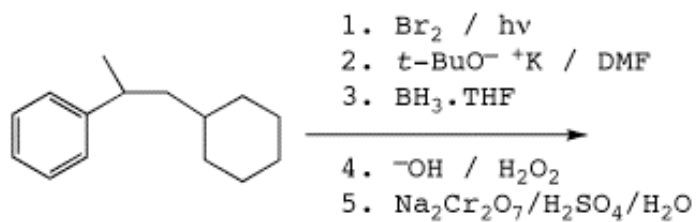
Which is the STRONGEST Bronsted acid?



QUESTION 4

MC29e

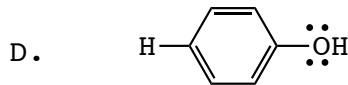
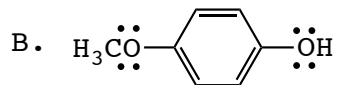
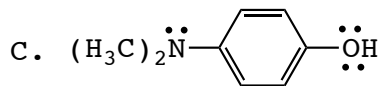
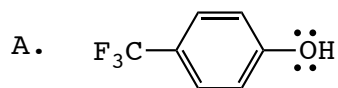
Give the product of the following reaction sequence with the starting material shown



QUESTION 5

MC291

Which is the *weakest* Bronsted acid?



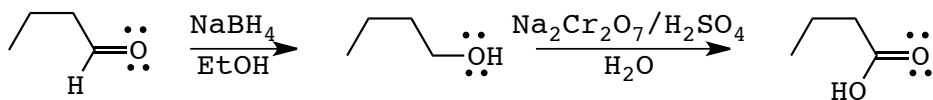
QUESTION 6

MC29r

Identify the following reactions as indicated

reaction 1

reaction 2

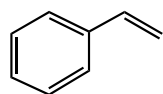


- A Reaction 1 is **oxidation** and Reaction 2 is **oxidation**
B Reaction 1 is **oxidation** and Reaction 2 is **reduction**
C Reaction 1 is **reduction** and Reaction 2 is **oxidation**
D Reaction 1 is **reduction** and Reaction 2 is **reduction**

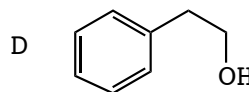
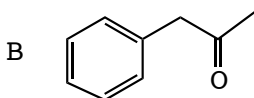
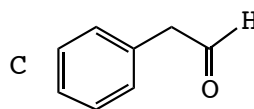
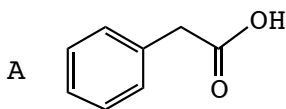
QUESTION 7

MC29h

Give the product of the following reaction sequence with the starting material shown



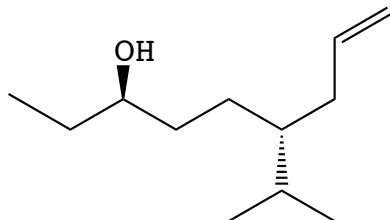
1. $\text{Br}_2 / \text{CCl}_4$
 2. Excess NaNH_2 /heat
 3. H_2O
-
4. $(\text{Sia})_2\text{BH} \cdot \text{THF}$
 5. $^- \text{OH} / \text{H}_2\text{O}_2$
 6. H_2 / Pt
 7. $\text{Na}_2\text{Cr}_2\text{O}_7 / \text{H}_2\text{SO}_4$



QUESTION 8

MC29n

Which is the correct IUPAC name for the following structure?



- (3R)-hydroxy-(6S)-isopropylnon-1-ene
- (4R)-isopropylnon-1-en-(7R)-ol
- (6R)-isopropylnon-8-en-(3R)-ol
- (7R)-hydroxy-(4S)-isopropylnon-1-ene

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