

CHM 234, Spring 2018

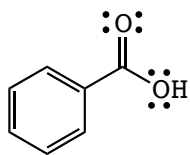
QUIZ #13

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

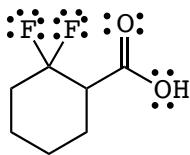
QUESTION 1

MC35a

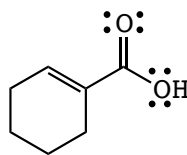
Which is the strongest Bronsted acid?



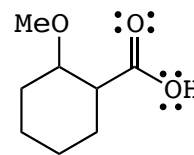
A



B



C

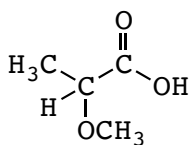


D

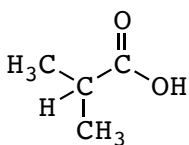
QUESTION 2

MC35b

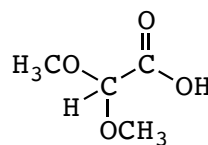
Which is the strongest Bronsted acid?



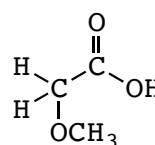
A



B



C

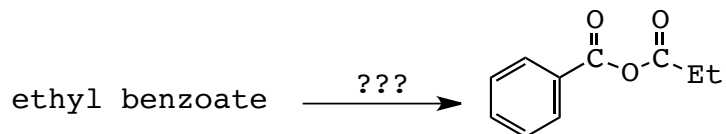


D

QUESTION 3

MC39e

Which represents a possible synthesis of the anhydride shown from ethyl benzoate?



1. SOCl_2
2. ethanoic acid

A

1. H_3O^+
2. SOCl_2
3. ethanoic acid

B

1. H_3O^+
2. SOCl_2
3. propanoic acid

C

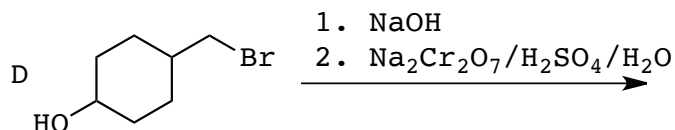
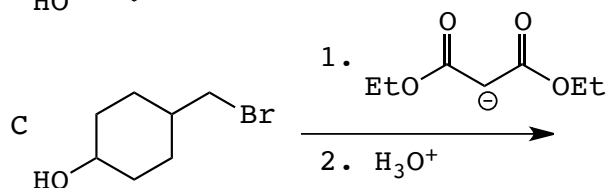
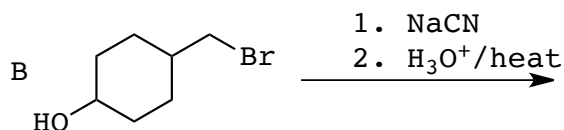
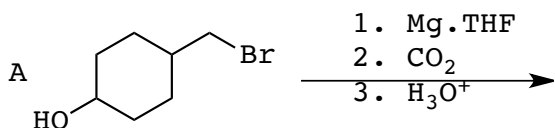
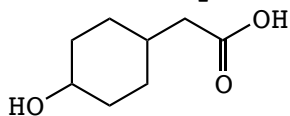
propanoic acid only reagent)

D

QUESTION 4

MC35d

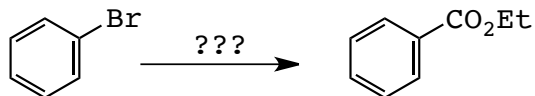
Which synthetic method can be used to make the provided carboxylic acid?



QUESTION 5

MC39d

Which represents the best synthesis of ethyl benzoate from bromobenzene?



1. $\text{Na}^+ \text{ } ^-\text{CN}$
2. H_3O^+
3. SOCl_2
4. EtOH

A

1. $\text{Mg} \cdot \text{THF}$
2. CO_2
3. H_3O^+
4. EtOH/HCl

B

1. $\text{Na}^+ \text{ } ^-\text{CN}$
2. H_3O^+
3. EtOH/HCl

C

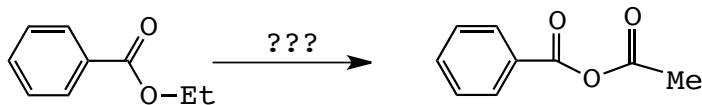
1. $\text{Mg} \cdot \text{THF}$
2. CO_2
3. H_3O^+
4. SOCl_2
5. EtOH

D

QUESTION 6

MC39c

Which represents a viable synthesis of the following anhydride?



1. $\text{CH}_3\text{CO}_2\text{H}$
2. H_3O^+
3. SOCl_2

A

1. H_3O^+
2. $\text{CH}_3\text{CO}_2\text{H}$
3. SOCl_2

B

1. SOCl_2
2. $\text{CH}_3\text{CO}_2\text{H}$
3. H_3O^+

C

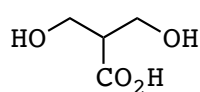
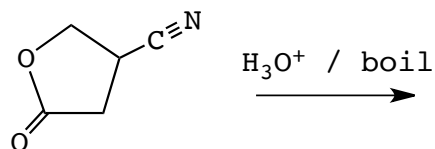
1. H_3O^+
2. SOCl_2
3. $\text{CH}_3\text{CO}_2\text{H}$

D

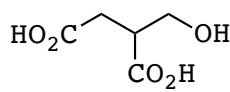
QUESTION 7

MC39a

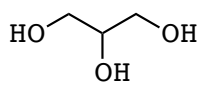
Which is the product of COMPLETE hydrolysis, using boiling aqueous acid, of the following structure?



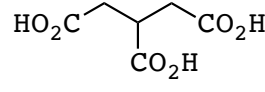
A



B



C

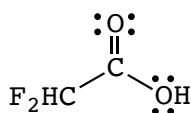


D

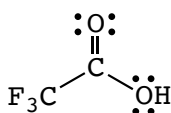
QUESTION 8

MC35n

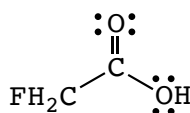
Which has the largest pKa?



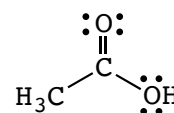
A



B



C



D

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