

Organic Chemistry II

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Quiz 2, July 13, 2020 6:05-6:25 pm

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RESPONSES (41)

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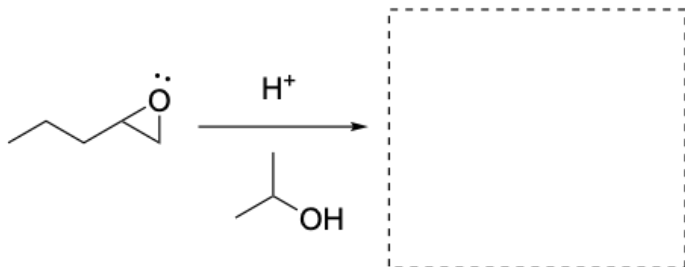
CEM 252 (730)

QUIZ 2 – 25 points

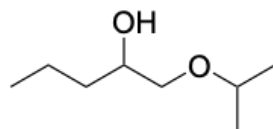
1.

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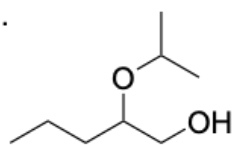
What is the product of the reaction below?



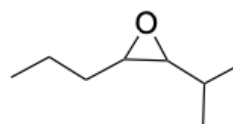
A.



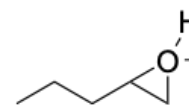
B.



C.



D.



A

A

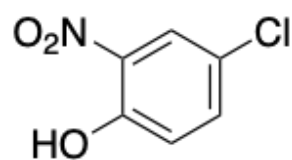
B	B	✓
C	C	
D	D	



2.

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What is the IUPAC name of the compound below?

A	3-chloro-1-nitrophenol	
B	3-chloro-2-nitrophenol	
C	2-chloro-4-nitrophenol	
D	4-chloro-2-nitrophenol	✓

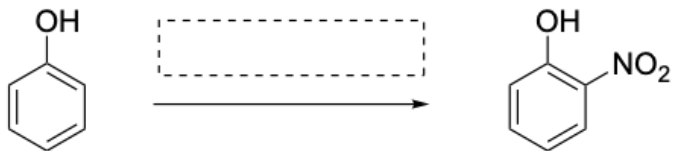


3.

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What reagent is needed for this reaction?



- A. H_2SO_4 fuming B. $\text{HNO}_3 / \text{H}_2\text{SO}_4$ C. HNO_2 D. $\text{HNO}_3 / \text{H}_2\text{O}$

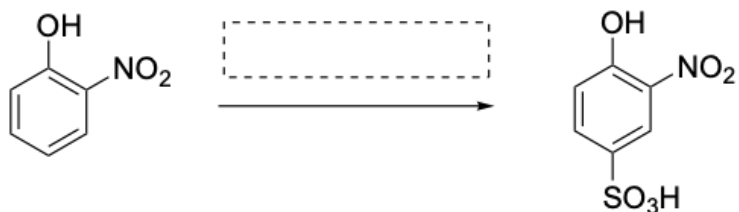
A	A
B	B ✓
C	C
D	D



4.

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What reagent is needed for the reaction below?



- A. H_2SO_4 fuming B. $\text{HNO}_3 / \text{H}_2\text{SO}_4$ C. HNO_2 D. $\text{HNO}_3 / \text{H}_2\text{O}$

A	A
B	B
C	C

D

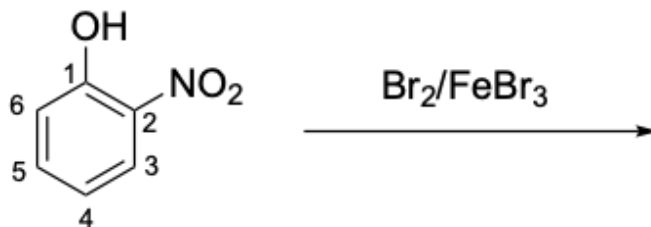
D



5.

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What is the direction of the in-coming electrophile (Br^\oplus) to the aromatic ring numbering from position 1- 6?



A

position 3

B

position 4



C

position 5

D

position 6

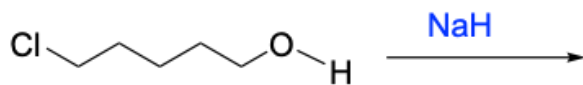
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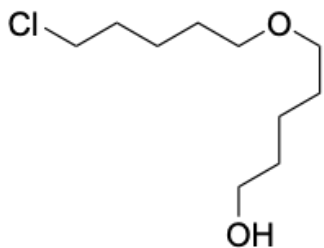
6.

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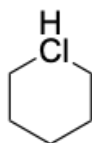
What is the major product of the reaction below



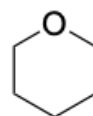
A.



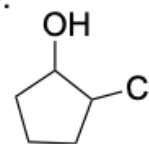
B.



C.



D.



A

A

B

B

C

C



D

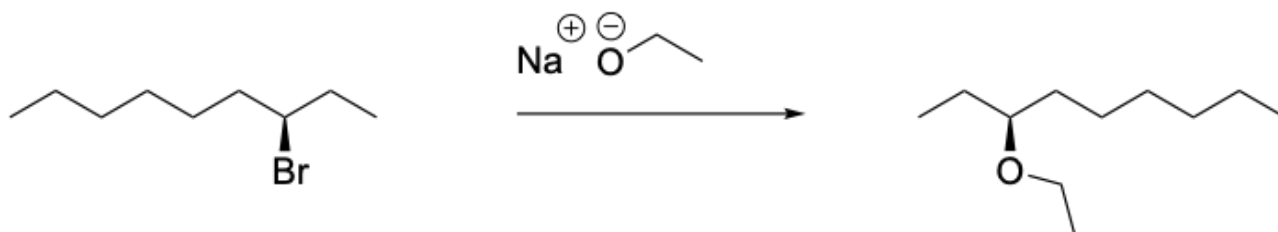
D



7.

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How would you classify the reaction below?



A

SN1

B

SN2



C

E1

D

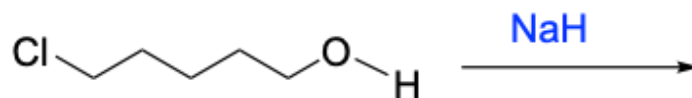
E2



8.

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Which of the following is a byproduct of the reaction below?

**A**H₂O**B**H₂**C**Cl₂**D**

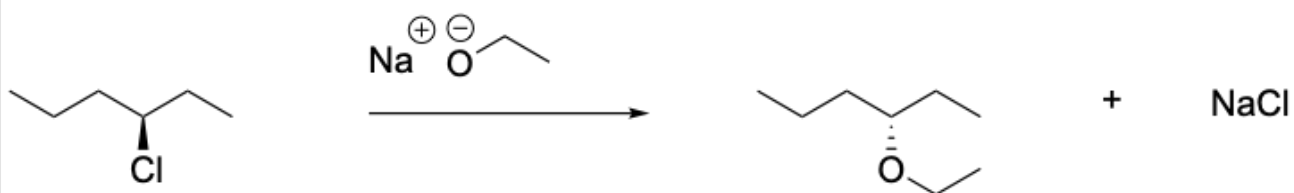
OH



9.

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What is the name of this reaction?

**A**

Diels-Alder

B

Friedel-Craft

C

Williamson

**D**

Cope

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