

CHEM 343

Exam 2

Version A

October 13, 2016

Name: _____

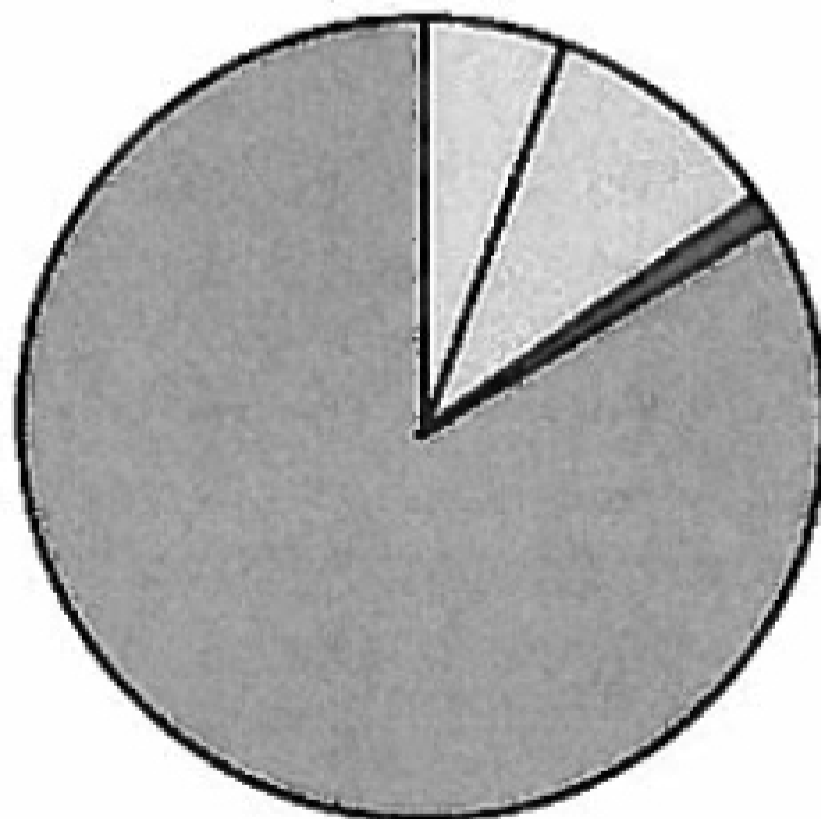
Key

HONOR PLEDGE: I pledge on my honor that I have neither given nor received any unauthorized assistance on this exam.

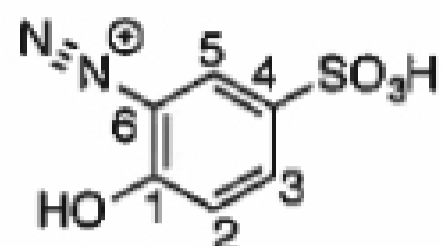
Signature: _____

Things I learned in Organic Chemistry

- | | |
|--|---|
| <input type="checkbox"/> Interesting Reactions | <input type="checkbox"/> Deadly compounds |
| <input type="checkbox"/> Nomenclature | <input type="checkbox"/> How to draw hexagons |



1. (3 points) Where would an incoming nucleophile add to the molecule below?



- a. carbons 2 and 5
- b. carbon 3
- c. carbon 1
- d. carbon 6

2. (3 points) Put the bases below in order of increasing strength.

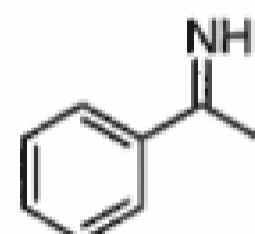
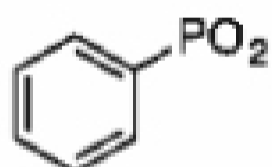
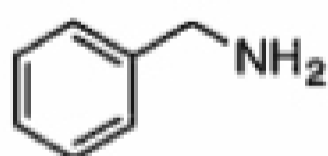


- a. II<IV<I<III
- b. I<III<IV<II
- c. IV<I<II<III
- d. III<II<I<IV

3. (3 points) Which of the following would be the best choice to replace TBAF?

- a. CsF
- b. NaBr
- c. KF
- d. CaBr₂

4. (3 points each) Classify the following as ortho/para or meta directors.



5. (4 points each) Which side of the reaction would be favored under the conditions given?

