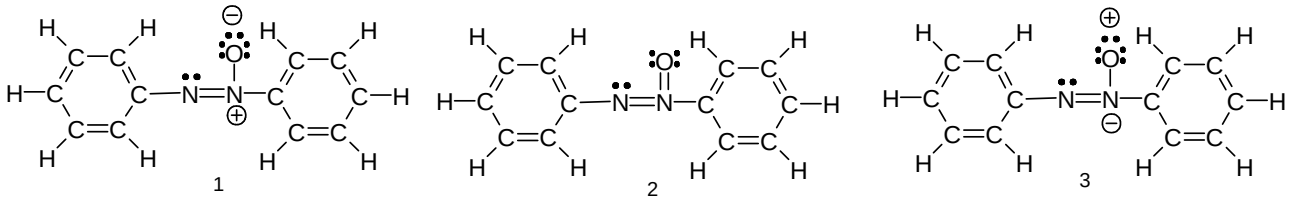
Quiz 1 Chem 230 Spring ‘10 Your name_____
B Student ID_____

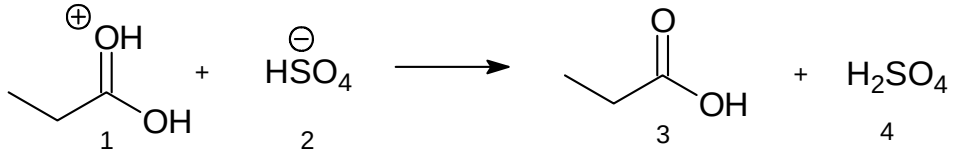
MARK ONE ANSWER FOR EACH QUESTION ON BOTH THE EXAM AND YOUR SCANTRON!

1. Consider three Lewis dot structures of azoxybenzene, an overall uncharged molecule, and select the best answer:



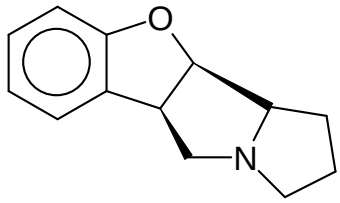
A. Only structure 1 is valid.
B. Only structure 2 is valid.
C. Only structure 3 is valid.
D. Both structures 1 and 2 are valid
E. Both structures 2 and 3 are valid

2. Consider the following reaction and select the best answer:



A. Compound 1 is both a Bronsted and a Lewis acid
B. Compound 1 is both a Bronsted and a Lewis base
C. Compound 1 is a Lewis acid, but not a Bronsted acid
D. Compound 1 is a Lewis base, but not a Bronsted base
E. This is not an acid-base reaction at all

3. What is the proper molecular formula for the compound below?



A. $C_{13}H_{19}NO$ B. $C_{13}H_{19}ON$ C. $C_{13}H_{17}NO$ D. $C_{13}H_{15}NO$ E. none of these

4. This is version B. Please mark 4 B on your scantron!

Key qu230-01_1_101b

1. A
2. A
3. D