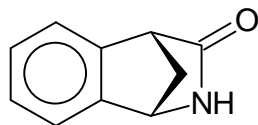


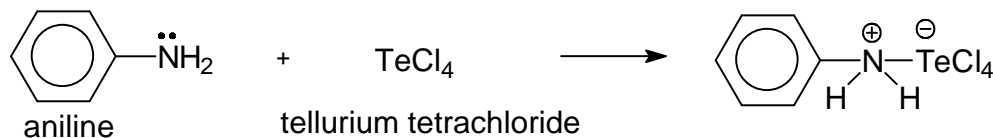
MARK ONE ANSWER FOR EACH QUESTION ON BOTH THE EXAM AND YOUR SCANTRON!

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



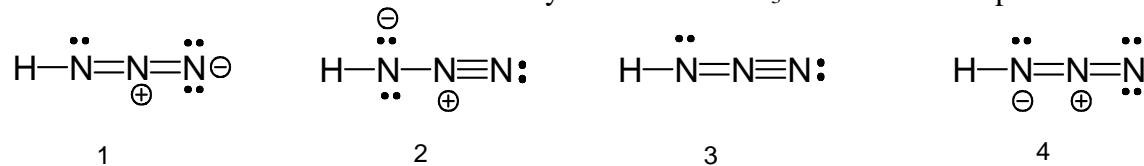
- A. $C_{10}H_{10}NHO$ B. $C_{10}H_{11}NO$ C. $C_{10}H_9NO$ D. C_9H_9NO E. none of these

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



- A. Aniline is a Bronstead acid B. Aniline is a Bronstead base
 C. Aniline is a Lewis acid D. Aniline is a Lewis base
 E. This is not an acid-base reaction at all

3. Consider four Lewis dot structures for hydrazoic acid HN_3 and select one option:



- A. Only structure 1 is valid. B. Only structure 2 is valid.
 C. Only structure 3 is valid. D. Only structure 4 is valid.
 E. Both structures 1 and 2 are valid

Key:

1 C

2 D

3 E