

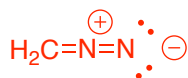
Quiz 2. Monday Morning

Name:

1a) Show all resonance forms of Diazomethane, and use curved arrows to show their interconversion (4 points)



1b) Which resonance form of Diazomethane would you anticipate would be the largest contributor to the hybrid. Explain your answer. (2 points)



1. Molecule has full octet
2. of 2 with full octet, negative charge is on more electronegative atom

2) Using curved arrows, show a mechanism for the following acid/base reaction (both forward and reverse). Predict which way the reaction would favor at equilibrium, and explain your answer (4 points)



Favored to right because of greater electronegativity of Nitrogen compared to Carbon