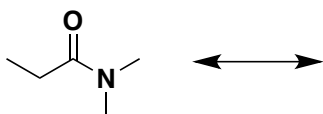


CHE 310 – 002 & 003
Lecture Homework #7

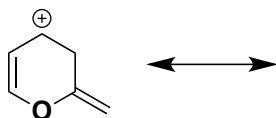
Due: Monday Feb 4, 2019, 10:00 am.

1. Draw all of the relevant resonance contributors for the molecules below. In each case circle the more stable resonance contributor (if there is one) and briefly explain your reasoning. These structures do not include lone pairs. Assume they fill the valences as appropriate.

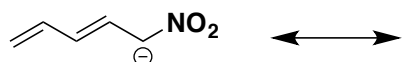
a.



b.



c.

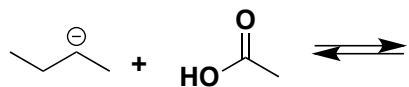


2. Provide the products of the Brønsted-Lowry acid/base (a,b) and the Lewis acid/base reactions below. Use curved arrows to show bond breaking and forming. Number the curved arrows for each problem and explain what each means.

a.



b.



c.



d.

