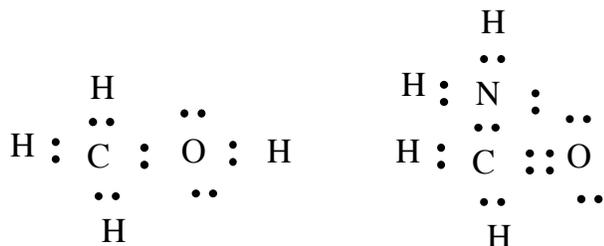
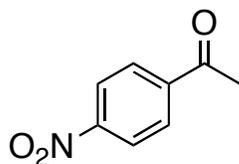


Fall 2008  
Homework #1  
Answers

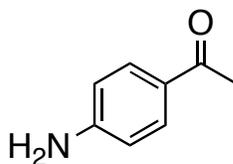
1. (10 points) Draw Lewis dot structures for each of the following:



2. (10 points) Which would be more polar on TLC, A or B? Why?

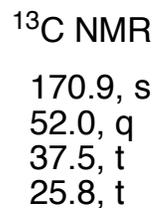
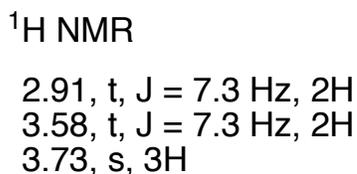
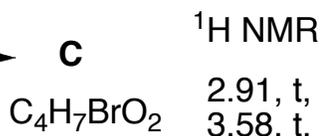
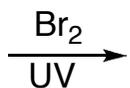
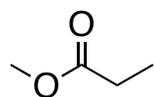


A



B is more polar, as it has both H bond donors and acceptors.

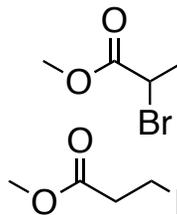
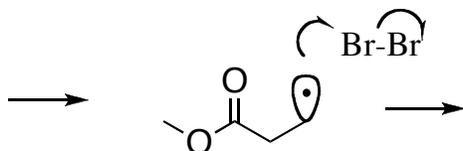
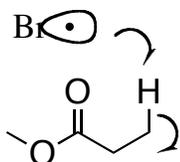
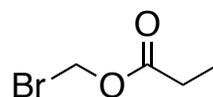
3. (10 points) Show the structure of C, and draw an arrow-pushing mechanism for its formation.



Br-Br



there are three possible products. Only the last fits the  $^{13}\text{C NMR}$  pattern.



+ H-Br

