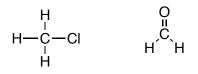
Chem 331

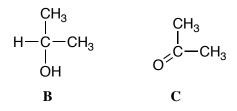
Name _____

Fall 2007 Homework #1 due: 10 a.m. Monday, September 4th in 202 LDL or can be faxed before then to (302) 831-6335

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



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



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

$$\begin{array}{c} H_{3}C \\ H_{3}C \\ H \\ H_{3}C \\ H \end{array} \xrightarrow{H} \begin{array}{c} Br_{2} \\ UV \end{array} \xrightarrow{} A \\ C_{3}H_{7}Br \\ \begin{array}{c} I^{3}C \\ 28.5, q \\ 45.4, d \end{array}$$