Fall 2006 Homework #1

due: 10 a.m. Tuesday, September 6th 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) How many monobromo derivatives of A are there? Draw each of them. Do not count rotational isomers.

 \square

A

3. (10 points) Which would have a higher net dipole moment, B or C? Why?

$$\begin{array}{ccc} CI & & CI \\ I & & I \\ H-C-H & CI-C-CI \\ I & & CI \\ \hline B & C \\ \end{array}$$