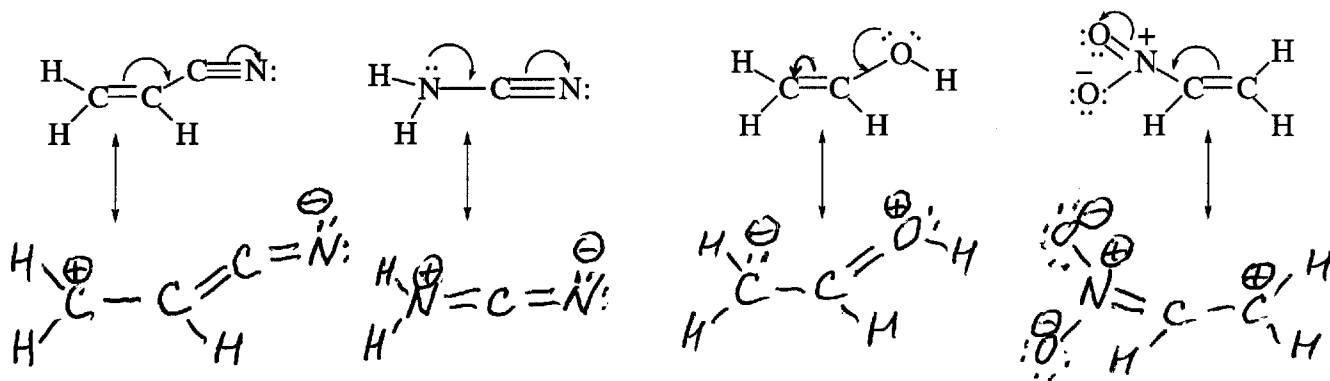


Chemistry 2521; Fall 1999; Sample Quiz 2

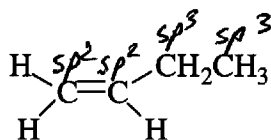
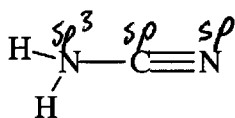
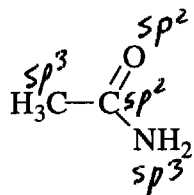
Printed Name (Last, First)

Your Major: Key
(Don't forget to write your major. We need it for statistical purpose only!)

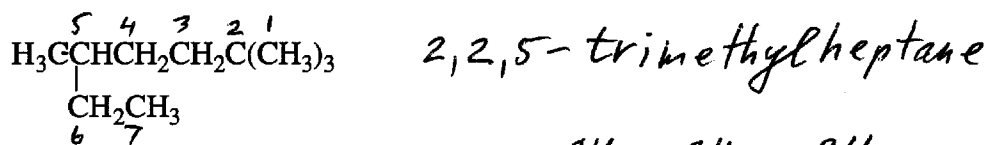
1. (8) Draw the resonance contributing structures indicated by the curved arrows. Assign formal charges and show unshared electron pairs as appropriate. (No partial credit allowed for this problem!)



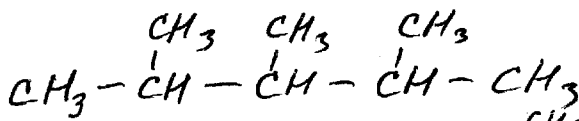
2. (6) Indicate the orbital hybridization for each non-hydrogen atom in the following molecules:



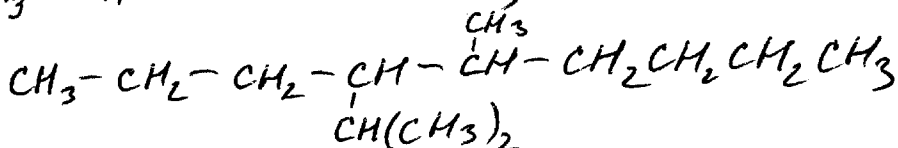
3. (6) Give either the IUPAC name or the correct structure for each of the following compounds:



2,3,4-trimethylpentane



4-isopropyl-5-methylnonane



4. (2) Circle the element that has the ground-state electron configuration of $1s^2 2s^2 2p^1$:

C O F N S Cl **B** Ne P

5. (3) Circle the structure of the compound that has the quaternary carbon atom:

