

Name: _____

This is a take home quiz that uses the two computers in Science 303. You must use the Spartan program to build and view a molecule.

- a) The molecule can be one of your choosing but has to have at least six carbons. Construct and minimize the molecule.
- b) Calculate EITHER an electrostatic potential map or a picture of the LUMO for your molecule. You are welcome to calculate other surfaces if you want.
- c) Print the minimized structure of the molecule as well as the LUMO or Electrostatic Potential Map.
- d) Turn in the two sheets along with this quiz indicating the molecule chosen to investigate.

Molecule: _____

Questions? A copy of Spartan 02 Tutorial and User's Guide is available in Science 303.
Due Date? May 1, 2003