

California State Polytechnic University, Pomona
Organic Chemistry I, CHM 3140, Dr. Laurie S. Starkey
Lewis Structure and 3-D Sketch Homework

Name: _____ Section: _____ (day/time)

For each of the following compounds, draw a 3-dimensional sketch, using dashes and wedges. **Position the molecule such that the maximum number of atoms are located in the plane of the page.** Be sure to show all atoms (no line drawings), to draw pi bonds (with sets of overlapping p orbitals) and to include the orientation of lone pairs of electrons on oxygen and nitrogen.

