

CHE 310 – 002 & 003
Lecture Homework #3

Section 2 Due: Wednesday Jan 23, 2019, 9:00 am.

Section 3 Due: Wednesday Jan 23, 2019, 10:00 am.

1. Go to the website below and use the interactive structure...

<http://www.chemtube3d.com/orbitalsallene.htm>

a. to draw a 3-dimensional Kekulé structure of allene, similar to the way that I drew a 3-dimensional representation of methane in class. Use wedges to indicate bonds coming out of the paper and dashes to represent bonds going behind the paper.

b. Is allene flat (are all the atoms in the same plane?)

2. Problem 1.18 (include the molecular formula for each compound).