

Preclass Assignment

CHEM 1090-General Chemistry I

Name:

#11

Section: 33, TR

Due Date: Thursday 3/7/2019

1. Write the possible resonance structures and calculate the average bond order for the carbonate ion.

2. Write the Lewis structure and the names for the electronic structure (the book calls this the “electron-domain geometry”) and for the molecular structure (the book calls this the “molecular geometry”) for each of the following:

a. O_3

b. H_2O

3. Fill out the molecular orbital diagram below for O_2 :

