

CHEM 125

8/29/12

Dr J

Day 1: Preclass Questions – Your idea of the atom

Section: Circle one - 1:00 PM or 2:40 PM

Name: \_\_\_\_\_

Please answer the following questions by yourself. Do not use any book, websites or talk with anyone else. You may refer to the periodic table at the following web address:

<http://employees.csbsju.edu/hjakubowski/classes/Chem%20and%20Society/ElementsAtomsMol/Periodic%2520Table.pdf>

We will discuss these questions in class on Wednesday, 8/29. You will turn in the assignment during class.

1. Draw a geometric picture/figure showing the atomic structure of hydrogen, helium and lithium that reflects the most modern view of the atom you remember from high school. Include protons, neutrons, and electrons and label their locations. This should take no more than 10 minutes.

H

He

Li

2. Draw a structural representation of water in a fashion similar to the structure of methane shown below. (5 minutes)

