

**BIO 130 Worksheet 3: Atoms & Molecules**

Name Rashonda Rhodes Section: 03 Date: 08/27/2020

1. Using the Periodic Table of Elements, determine the number of protons, neutrons, and electrons in each of the following atoms. Please show your work. Draw a model of each of the atoms in the box showing the electrons in the proper energy levels. (30 pts)

A. Carbon    12 mass        6 protons  
              6 atomic #      6 electrons  
              6 neutron     6 neutrons

c) ) )

# of electrons in orbit 1 = 2  
# of electrons in orbit 2 = 6

B. Hydrogen    1 mass        1 protons  
                  1 atomic #    1 electrons  
                  0 neutron    0 neutrons

H) )

# of electrons in orbit 1 = 1

C. Oxygen    16 mass        8 protons  
              8 atomic #    8 electrons  
              8 neutron     8 neutrons

o) ) )

# of electrons in orbit 1 = 2  
# of electrons in orbit 2 = 6



