

BIO 130 Worksheet 3: Atoms & Molecules

Name Malaya reed Section: _____ Date: _____

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 12.0107U mass 6 protons
6 atomic # 6 electrons
_____neutron 6 neutrons

C)))

of electrons in orbit 1 =
of electrons in orbit 2 =

B. Hydrogen 1.00784 mass 1 protons
1 atomic # 1 electrons
_____neutron _____ neutrons

H))

of electrons in orbit 1 =

C. Oxygen 15.999 mass 8 protons
8 atomic # 8 electrons
_____neutron 8 neutrons

O)))

of electrons in orbit 1 =
of electrons in orbit 2 =

