

***Fill in the following table about the parts of the atom. (AMU stands for atomic mass unit.)**

PART OF THE ATOM	ELECTRIC CHARGE	LOCATION IN ATOM	ATOMIC MASS (amu)
proton			
neutron			
electron			

***Here's how to predict the structure of any element on the periodic table. For example, look at carbon:**

6	←atomic number: _____
C	←chemical symbol: _____
Carbon	←element name: _____
12.011	←atomic mass: _____

To find the number of protons, look at the atomic number:

Example for carbon Atomic number: _____ Number of protons: _____

To find the number of neutrons, subtract the atomic number from the atomic mass:

Example for carbon: Atomic number: _____ Atomic mass: _____ Number of neutrons: _____

To find the number of electrons (neutral atom), look at the atomic number:

Example for carbon: Atomic number: _____ Number of electrons: _____

***Complete the table for the elements with atomic numbers 1-8, round to 2 decimal places**

ELEMENT NAME	ATOMIC NUMBER	ATOMIC MASS	PROTONS	NEUTRONS	ELECTRONS
Hydrogen					
Helium					
Lithium					
Beryllium					
Boron					
Carbon					
Nitrogen					
Oxygen					