

Name \_\_\_\_\_

## Parts of the Atom

**\*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	MASS (in AMU's)
proton			
neutron			
electron			

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

6
C
carbon
12.011

- ←atomic number: This is the number of protons (also the number of electrons)
- ←chemical symbol: This is an abbreviation for the element.
- ←element name: This is the name of the element.
- ←atomic mass (in AMU's): This number (rounded off) tells you the number of protons plus the number of neutrons. (Electrons are too small to be included.)

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

Example for carbon: Atomic number: 6      Number of protons: 6

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

Example for carbon: Atomic mass: 12 (rounded)      Number of neutrons:  $12 - 6 = 6$

**To find the number of electrons, look at the atomic number:**

Example for carbon: Atomic number: 6      Number of electrons: 6

**\*Complete the table for the elements with atomic numbers 1-10.**

ELEMENT NAME	ATOMIC NUMBER	ATOMIC MASS	PROTONS	NEUTRONS	ELECTRONS
	1				
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				