

Name \_\_\_\_\_

Science

Class \_\_\_\_\_

Date \_\_\_\_\_

**Homework 18: Atomic Number and Mass Number**

Complete the following chart and answer the questions below.

<b>Element Name</b>	<b>Atomic Number</b>	<b>Number of Protons</b>	<b>Number of Neutrons</b>	<b>Mass Number</b>
carbon				12
	8		8	
hydrogen				1
		6		14
hydrogen			2	
nitrogen				14
			1	2
	92		146	
cesium			82	
	11		12	
		47		108
tungsten			110	
			45	80
		24		52
			89	152
silver				107
	76		114	

How are the *atomic number* and the *number of protons* related to each other?How do the *number of protons*, *number of neutrons*, and the *mass number* relate to each other?What is the *one thing* that determines the identity of an atom (that is, whether it is an oxygen atom or a carbon atom, etc.)?