A	tomic Structure Worksheet	Name: Period:		
1.	Name the three particles of the atom and a	d their respective charges are:		
			•	
	C			
2.	The number of protons in one atom of a, and the number of electrons determ			
3.	The atomic number tells you the number	er of	in one atom of an element.	
	It also tells you the number of in a neutral atom of that element. The			
	atomic number gives the "identity "of a	nn element as well as its location	on the Periodic Table. No	
	two different elements will have the	atomic number.		
4.	The o	f an element is the total number of	of protons and neutrons in	
	the	of the atom.		
5.	The mass number is used to calculate the	ne number of	in one atom of an	
	element. In order to calculate the number of neutrons you must subtract the			
	from the			
6.	Give the symbol and number of protons in one atom of:			
	Lithium	Bromine		
	Iron	Copper		
	Oxygen	Mercury		
	Arsenic	Helium		
7.	Give the symbol and number of electro Uranium	ns in a neutral atom of: Chlorine		
	Boron	Iodine		
	Antimony	Argon		
8.	Name the element which has the followass numbers where possible.)	wing numbers of particles. Be sp	ecific. (Include charges and	
	26 electrons, 29 neutrons, 26 protons	S		

53 protons, 74 neutrons _____

	2 electrons (neutral atom)	
	20 protons	
	86 electrons, 125 neutrons, 82 protons (charged atom)	
	0 neutrons	
9. If you know ONLY the following information can you always determine what th (Yes/No). number of protons number of neutrons number of electrons in a neutral atom number of electrons		