## **Basic Atomic Structure Worksheet**

1. The 3 particles of the atom are:			
	a		
	b		
	c Their respective charges are:		
	a b		
	c		
2.	The number of protons in one atom of an element determi	nes the atom's	, and the
	number of electrons determines the of the element.		
3.	The atomic number tells you the number of in one atom of an element. It also		
		in a neutral atom of that element. The atomic number	
	gives the "identity" of an element as well as its location on the periodic table. No two different elements will have the atomic number.		
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4.	e of an element is the average mass of an element's naturally occurring at topes, taking into account the of each isotope.		aturally occurring atom, or
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5.	The of an element is the total number of protons and neutrons in the of the atom.		
6	The mass number is used to calculate the number of	in o	no atom of an element. In
о.	order to calculate the number of neutrons you must subtra		
	·		
7.	Sive the symbol of and the number of protons in one atom of:		
	Lithium	Bromine	
	Iron	Copper	
	Oxygen	Mercury	
	Krypton	Helium	
8.	Give the symbol of and the number of electrons in a neutral atom of:		
	Uranium	Iodine	
	Boron	Xenon	