Basic Atomic Structure Worksheet

1.	The 3 particles of the atom are:		
	a. <u>proton</u>		
	b. <u>electrons</u>		
	C. <u>neutrons</u>		
	Their respective charges are:		
	b. Deagtive		
	c. neutral, none	N. N	
2.	The number of protons in one atom of an element determines the atom's dentity, and the number of electrons determines the of the element.		
3.	he atomic number tells you the number of protons in one atom of an element		
	ells you the number of <u>electrons</u> in a neutral atom of that element. The atomic number		
	gives the "identity" of an element as well as its location on the phave the atomic number.	periodic table. No two different elements will	
4.	the <u>atomic mass</u> of an element is the average mass of an element's naturally occurring atom, or sotopes, taking into account the <u>mass</u> of each isotope. The <u>atomic mass</u> of an element is the total number of protons and neutrons in the		
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5.	nucleus of the atom.		
6.	The mass number is used to calculate the number of Neutrons in one atom of an element. In		
0.	order to calculate the number of neutrons you must subtract th	ne atomic number from the	
	atomic mass.		
7.	Give the symbol of and the number of protons in one atom of:		
	Lithium Li 3	Bromine Br 35	
	Iron Fe 26	Copper Cu 29	
	Oxygen 8	Mercury Hq 80	
	Krypton Kr 36	Helium He 2	
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8.	Give the symbol of and the number of electrons in a neutral ato	T 50	
	Uranium 42	lodine 155	
	Boron B	Xenon X 5 7	
	Chlorine		
9.	Give the symbol of and the number of neutrons in one atom of	the symbol of and the number of neutrons in one atom of:	
	(Mass numbers are ALWAYS whole numbersshow your calculations)		
	Barium Ba: 137-56= 81	Bismuth 61; 209-83=126	
	Carbon C: 14-7 = 7	Hydrogen H: 1-1: O	
	Fluorine F: 19-9 = 10	Magnesium Mq: 24-12= 12	
	Europium Eu: 152-63 = 89	Mercury Ha: 201-80=121	
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