Name:	
Date:	
Period:	1.1 Tracked Assignment (Obj. 1; 2) : Answer the following questions
1.	What is an atom? Smallest particle that retains an element's identify
2.	What property is used to identify the type of element?  a fouric #/# # of protons
	What makes isotopes of elements different from one another? What makes them the same? Life may stand nentrons
	same protons
4.	In Hydrogen-3, what does the number next to the element name mean?
	mass #
	What does each of the numbers next to the element symbol mean for the symbol below?  235 mass # 92 42 atomic # U symbol
6.	What is the difference between atomic mass and mass number?  a femic mass is average all of isotopes & mass ##  is for single atom
7.	What would be the most common isotope of Au (gold)? (Hint: use your periodic table)
8. I	How can there be over a 1000 different atoms when there are less than 120 elements that
h	elements have isotopes which are difatoms of the
	same element
	given <sup>35</sup> Cl and <sup>36</sup> Cl what makes the two atoms isotopes of each other? What would be
d	ifferent about the two elements?
	same protons rentrons and mass H
10.11	
10. W	Yould <sup>40</sup> 20X and <sup>42</sup> 20X be isotopes of the same element? Why or why not?
	Yes same protons/atomie #
<b>Part B:</b> F	ill in the following charts

Subatomic Particle	Relative Charge	Location in Atom	Relative Mass (amu)
Proton	+1	nucleus	l
Neutron	0	nucleus	
Electron	-(	orbitals	0

Name:

Date:
Period:
1.1 Tracked Assignment (Obj. 1; 2)

Period:			gnment (Obj. 1; 2)	Electrons	Mass #
Element Shorthand (AX)	Atomic #	Protons	Neutrons	Elections	112000
19 F	9	9	10	9	19
295;	14	14	15	14	29
47-7;	22	22	25	22	47
58 Ni	28	28	30	28	58
<sup>39</sup> K	19	19	20	19	39
83 Kr	1474 36	40 36	47	36	83
49 Sc	21	21	28	21	49

	Chromium-52	Chromium-56		Sulfur-32	Sulfur-35
Protons	24	24	Protons	16	16
Neutrons	28	32	Neutrons	(6	19
Electrons	24	24	Electrons	16	16

	14C	<sup>16</sup> C		<sup>15</sup> N	<sup>20</sup> N
Protons	46	6	Protons	7	7
Neutrons	8	6	Neutrons	8	13
Electrons	6	6	Electrons	7	7

	42 Mn	40 Mn		726e	74Ge
Protons	25	25	Protons	32	32
Neutrons	17	15	Neutrons	40	42
Electrons	25	25	Electrons	32	32