Name: Sturman key Period: _____ Date: _____

Isotope Number 1

You will become more familiar with the atomic structure of some common substances by completing the chart below. For each substance, you have been given enough information to fill in all the blanks. Unless otherwise stated, assume that the overall charge on each element is neutral.

Substance	Symbol	Atomic Number	Mass Number	Number of Protons	Number of Neutrons	Number of Electrons
Helium	4 He	2	4	2	2	2
Zinc	65 Zn	30	65	30	35	30
Antimony	121 Sb	51	121	51	70	51
Aluminum	27 Al	13	27	13	14	13
Uranium	238 U	92	238	92	146	92
Sodium-23	^{23}Na	11	23	11	12	11
Krypton	84 Kr	36	84	36	48	36
Calcium-42	^{42}Ca	20	42	20	22	20
Silver	107 Ag	47	107	47	60	47
Magnesium	24 Mg	12	24	12	12	12
Selenium	80 Se	34	80	34	46	34
Mercury	202 Hg	80	202	80	122	80
Bromine-79	^{79}Br	35	79	35	44	35
Barium-138	^{138}Ba	56	138	56	82	56
Lithium-7	^{7}Li	3	7	3	4	3
Oxygen-18	^{18}O	8	18	8	10	8
Gallium-69	^{69}Ga	31	69	31	38	31
Tellurium-126	^{126}Te	52	126	52	74	52

+½ ea

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