Extra Atomic # and Mass Practice

Name	Period	Seat #

/10

Using your periodic table, complete the following table.

	SYMBOL	*ATOMIC#*	*MASS #*	*PROTON#*	*ELECTRON#*	*NEUTRON #*
1)	Hg	____	____	____	____	____
2)	Bi	____	____	____	____	____
3)	____	42	____	____	____	____
4)	____	____	____	82	____	____
5)	____	____	____	____	48	____
6)	____	____	____	99	____	____
7)	____	____	59	____	____	32
8)	____	____	251	____	____	153
9)	____	94	____	____	____	____
10)	W	____	____	____	____	____

11) What makes one elements atoms different from another elements?
It is the number of??_____

12) Define Atom –

13) Define element –

14) Sketch a simple model of an atom and label where you would find protons, neutrons and electrons.

15) How many protons does Sc have? _____

16) How many neutrons does the isotope Carbon-14 have? _____

17) How many protons does the isotope N-14 have? _____

Key Atomic Table:

1) Hg,80,201,80,80,121 **2)** Bi, 83,209,83,83,126 **3)** Mo,42,96,42,42,54 **4)** Pb, 82,207,82,82,125 **5)** Cd, 48,112,48,48,64 **6)** Es, 99,254,99,99,155 **7)** Co, 27,59,27,27,32 **8)** Cf, 98,251,98,98,153 **9)** Pu, 94,244,94,94,150 **10)** W, 74,184,74,74,110

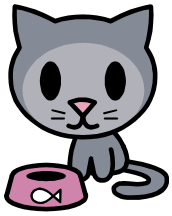
The Atomic Jungle

PROCEDURE

The symbols of all of the following groups of elements spell the names of various animals. Use your Periodic Table to discover which animals are lurking in the "atomic jungle." Be sure to write the symbols as they appear on the Periodic Table.

For example: Carbon + Astatine = C + At = cat

Pretty easy? Good luck and happy hunting!



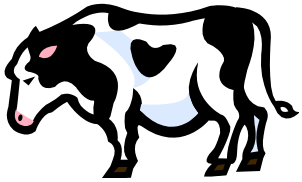
a) Lithium + Oxygen + Nitrogen =

b) Carbon + Oxygen + Tungsten =

c) Molybdenum + Uranium + Selenium =

d) Carbon + Aluminum + Fluorine =

e) Sulfur + Potassium + Uranium + Nitrogen + Potassium =

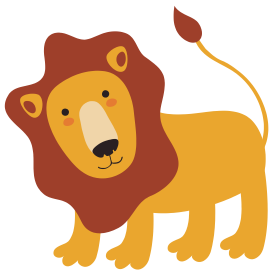


f) Selenium + Aluminum =

g) Fluorine + Iodine + Sulfur + Hydrogen =

h) Molybdenum + Oxygen + Selenium =

i) Beryllium + Argon =



j) Bismuth + Sulfur + Oxygen + Nitrogen =

k) Boron + Arsenic + Sulfur =

l) Boron + Oxygen + Argon =

m) Carbon + Hydrogen + Iodine + Carbon + Potassium =

n) Rhodium + Indium + Oxygen + Carbon + Erbium + Osmium =

o) Iron + Lithium + Neon =

p) Radium + Carbon + Cobalt + Oxygen + Nitrogen =

q) Hydrogen + Iodine + Phosphorous + Polonium =

r) Protactinium + Nitrogen + Thorium + Erbium =