



**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    4) Pb, 82, 207, 82, 82, 125    7) Co, 27, 59, 27, 27, 32    10) W, 74, 184, 74, 74, 110  
2) Bi, 83, 209, 83, 83, 126    5) Cd, 48, 112, 48, 48, 64    8) Cf, 98, 251, 98, 98, 153  
3) Mo, 42, 96, 42, 42, 54    6) Es, 99, 252, 99, 99, 153    9) Pu, 94, 244, 94, 94, 150

# 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 =

