

CLASS COPY

Atomic Mass and Atomic Number Worksheet

Name of Element	Symbol	Atomic Number	Atomic Mass	Protons	Neutrons	Electrons
Copper				29	35	29
Tin	Sn				69	50
	I	53	127			
Uranium			238			92
	K			19	20	
Lithium			7	3		
	O	8			8	
Gold		79	197			
		16	32	16		
Silver		47	108	47		
Chromium					28	24
	Co		59		32	27
	Ni			28		
Zinc		30			35	
	Al				14	13
	Hg	80	201			
Platinum			195			
	Fe		56		30	
	H	1	1			
	He	2	4			
		4		4		4
	Mg			12	12	12
	C	6		6	6	
Silicon		14			14	
	Cl			17	18	
	Bi		209			83
Boron		5	11			
	Ca	20				20
		25	55	25		
Lead			207			82
Sodium	Na					
Fluorine				9	10	9
	P	15	31			

ATOMIC STRUCTURE AND THE PERIODIC TABLE
CHAPTER 3 WORKSHEET

PART A

Given the following isotopes, determine the atomic number, the mass number, the number of protons, electrons and neutrons.

Isotope Symbol	Atomic Number	Mass Number	Protons	Electrons	Neutrons	Isotope Name
$^{131}_{53}\text{I}$						
$^{35}_{16}\text{S}$						
^4_2He						
$^{27}_{13}\text{Al}$						
$^{84}_{36}\text{Kr}$						
$^{85}_{37}\text{Rb}$						

PART B

Complete the following chart by writing the symbol for the isotope of the following elements. In addition, give the number of protons, electrons, mass number and atomic number and complete the element name.

Element Name	Neutrons	Protons	Electrons	Mass Number	Atomic Number	Isotope Symbol
Uranium-	145					
Chlorine-	28					
Oxygen-	9					
Boron-	6					
Beryllium-	5					
Hydrogen-	1					
Carbon-	8					

Name _____ Date _____ Period _____

ION Chart

Directions: Complete the following table.

Ion Symbol	Protons	Electrons	Charge
S ²⁻			
K ¹⁺			
Ba ²⁺			
Fe ³⁺			
Fe ²⁺			
F ¹⁻			
O ²⁻			
P ³⁻			
Sn ⁴⁺			
Sn ²⁺			
N ³⁻			
Br ¹⁻			
Mg ²⁺			
Cu ¹⁺			
Cu ²⁺			
U ⁶⁺			
Mn ⁵⁺			
Cl ¹⁻			
Se ²⁻			