

Name: _____ Date: _____ Period: _____

ATOMIC STRUCTURE WORKSHEET #1

Fill in the blanks...You *do* have enough information and do not need the Periodic Table.

Name	Symbol	Atomic Number	Mass Number	# protons	# neutrons	# electrons
Helium	He	2	4			
Magnesium	Mg ²⁺	12			12	
Silicon	Si		28		14	
Lead	Pb ⁴⁺		207	82		
Seaborgium	Sg	106	263			
Uranium	U		238			92
Copper	Cu ⁺		63	29		
Sodium				11	11	10
Nitrogen	N ³⁻	7			7	
Sulfur	S ²⁻				16	18
Silver				47	61	46
Krypton	Kr	36	84			
Neon	Ne				10	10
Barium	Ba ²⁺	56			73	
Calcium			40			18
Boron	B			5	5	
Francium	Fr	87	223			
Phosphorus	P ³⁻	15	31			
Platinum	Pt			78	117	
Oxygen	O ²⁻	8			9	

Atomic Structure Worksheet #2

Fill in the blanks for the elements in this chart.

Element	Number of Protons	Number of Neutrons	Number of Electrons	*Mass Number	Atomic Number
lithium					
carbon					
chlorine					
silver					
lead					
calcium					
tantalum					
radium					
samarium					
uranium					
americium					
lawrencium					

**Round the atomic mass from the Periodic Table to the nearest whole number to find the mass number of the most abundant isotope.*