

Name: _____ Period: _____

Atomic Structure

You can 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.

Substance	Symbol	Atomic Number	Mass Number	Number of Protons	Number of Neutrons	Number of Electrons
Helium	He	2	4			
Magnesium	Mg	12			12	
Zinc	Zn	30	65			
Bromine	Br		80			35
Aluminum	Al			13	14	
Uranium	U				146	92
Sodium	Na	11			12	
Krypton	Kr				48	36
Calcium	Ca		40	20		
Silver	Ag			47	61	

Complete the following chart by filling in the blanks. Use the Periodic Table to help.

A	Atomic Number =
P	Protons =
E	Electrons

M	Mass –
A	Atomic Number =
N	Neutrons

	Atom	Symbol	Atomic number	Number of protons	Number of electrons
1.	hydrogen				
2.			5		
3.					10
4.		Cr			
5.				7	
6.	gold				
7.			13		
8.					33
9.		He			
10.				14	
11.	iron				
12.		F			
13.			30		
14.				16	
15.					20
16.		Sn			
17.	chlorine				
18.				6	
19.			80		
20.	iodine				
21.		Kr			
22.	uranium				