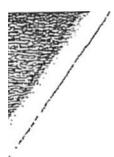
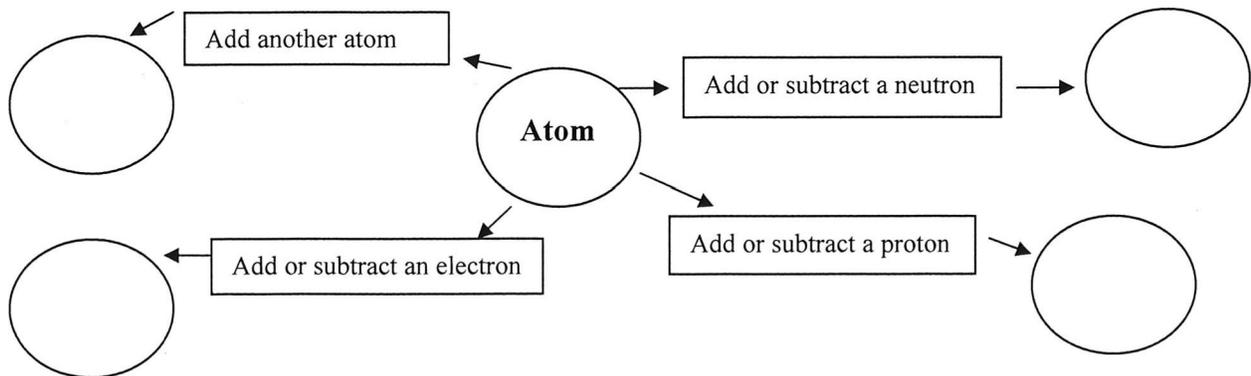


15. Complete the following with the terms "new element", ion, isotope, or molecule.



Name: _____

Period: _____

Date: _____

Atomic Structure

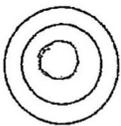
You can become more familiar with the atomic structure of some elements by completing the chart. You have been given enough information to fill in all the blanks. (There is no need to use a periodic table.)

Sub stance	S ymbol	Atomic Numbe r	Mass Number	Number of Protons	Number of Neutrons	Number of electrons
H e Iium		2				
M a gne sium		12			12	
Zinc		30	65			
Bromine			80			35
A luminum				13	14	
U ranium						92
S o d ium		11			12	
Hydrogen		1	1			

Calcium		40	20		
Silver			47	61	
Mercury	80	201			
Iodine		127	53		
Potassium				20	19

N	P = ___
N = ___	N = ___
E = ___	E = ___

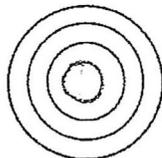
Bohr Diagram



N

Al	P = ___
N = ___	N = ___
E = ___	E = ___

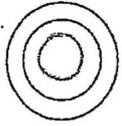
Bohr Diagram



Al

F	P = ___
N = ___	N = ___
E = ___	E = ___

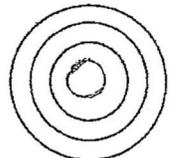
Bohr Diagram



F

Ar	P = ___
N = ___	N = ___
E = ___	E = ___

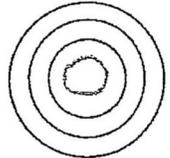
Bohr Diagram



Ar

Si	P = ___
N = ___	N = ___
E = ___	E = ___

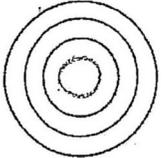
Bohr Diagram



Si

Na	P = ___
N = ___	N = ___
E = ___	E = ___

Bohr Diagram



Na