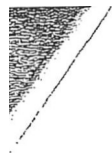
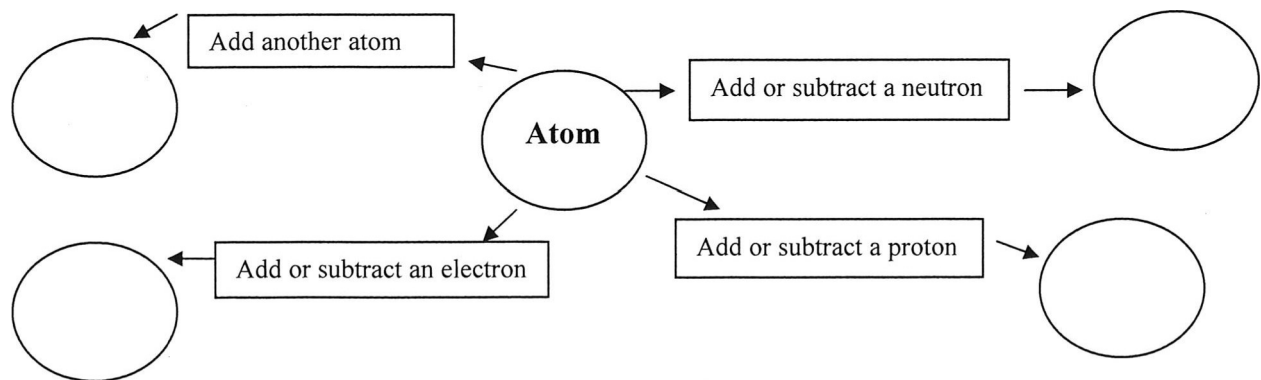


15. Complete the following with the terms "new element", ion, isotope, or molecule.



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.)

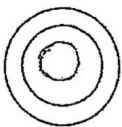
Sub stance	S ymbol	Atomic Numbe r	Mass Number	Number of Protons	Number of Neutrons	Number of electrons
H e Iium		2				
M a gne sium		12			12	
Zinc		30	65			
Bromine			80			35
A luminum				13	14	
U ranium						92
S o d ium		11			12	
Hydrogen		1	1			

C a l c i u m			40	20		
S i l v e r				47	61	
M e r c u r y		80	201			
I o d i n e			127	53		
P o t a s s i u m					20	19

$\overset{+}{\text{N}}$

P = ____
N = ____
E = ____

Bohr Diagram

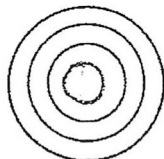


N

$\overset{+}{\text{Al}}$

P = ____
N = ____
E = ____

Bohr Diagram

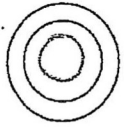


Al

$\overset{+}{\text{F}}$

P = ____
N = ____
E = ____

Bohr Diagram

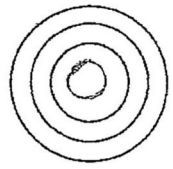


F

$\overset{+}{\text{Ar}}$

P = ____
N = ____
E = ____

Bohr Diagram

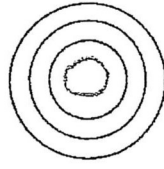


Ar

$\overset{+}{\text{Si}}$

P = ____
N = ____
E = ____

Bohr Diagram

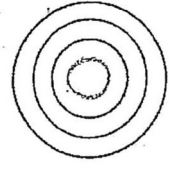


Si

$\overset{+}{\text{Na}}$

P = ____
N = ____
E = ____

Bohr Diagram



Na