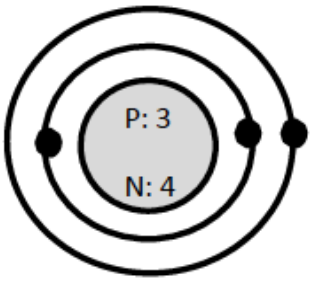
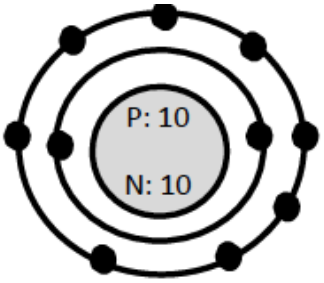
Name: _____ Date: _____ Period: _____

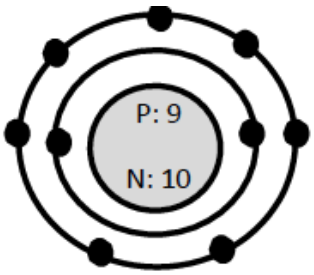
Periodic Table Review

Directions: Complete the chart using a periodic table.

M- metals NM- Nonmetals MT- metalloids







Element			
M, NM, MT			
Reactivity			

Directions: fill in the blanks to the statements below.

Vertical columns on the periodic table are called _____.

Horizontal rows on the periodic table are called _____.

The number of protons in an atom is that element's _____ number.

The total of the protons and neutrons is that atom's _____ number.

The elements in group _____ are the most reactive metals.

The elements in group _____ are the most reactive nonmetals.

The elements in group _____ are very unreactive.

Directions: Complete the chart using a periodic table.

	Element Symbol	M, NM, or MT	Valence Electrons	Reactivity (high, medium, non)
group 14, period 2				
group 2, period 2				
group 1, period 1				
group 18, period 3				
group 13, period 5				
group 17, period 4				
group 1, period 3				

Directions: For each of the following, label as a metal (M), nonmetal (NM), and/or metalloid (MT)

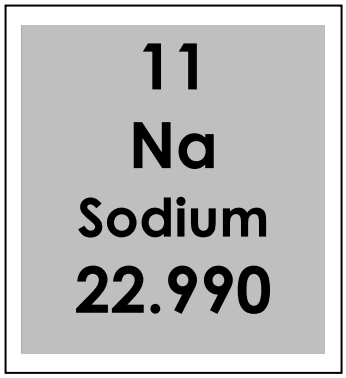
Poor conductor of electricity		Silicon	
Usually a solid at room temp		Most are a gas at room temp.	
Ductile		Cobalt	
Chlorine		Good Conductor	
Semi-conductor		Brittle	
Malleable		Oxygen	

List the 3 subatomic particles in an atom.

_____ _____ _____

Atomic Number is equal to...	Atomic Mass is equal to...

Label the parts in the periodic square of sodium.



_____

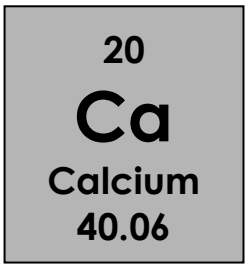
_____

_____

_____

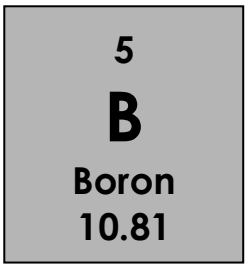
A		M	
P		A	
E		N	

Directions: Complete APEMAN for the elements below



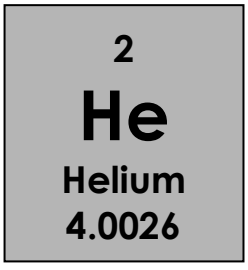
A=
P=
E=

M=
A=
N=



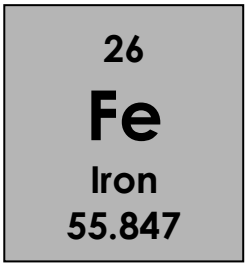
A=
P=
E=

M=
A=
N=



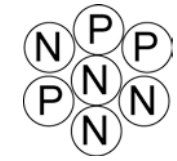
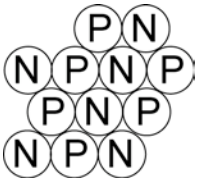
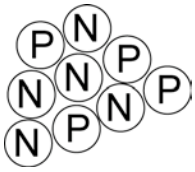
A=
P=
E=

M=
A=
N=

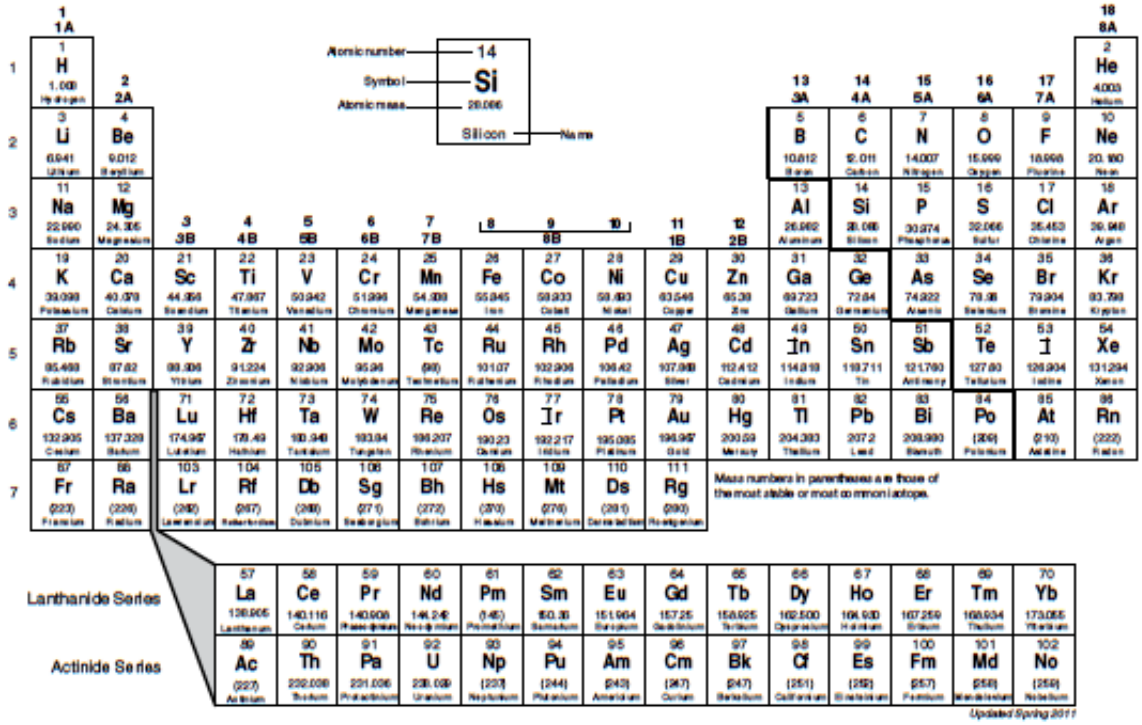


A=
P=
E=

M=
A=
N=

Nucleus of Atom	Element	Electrons	Atomic Mass
			
			
			
			

Directions: label the trends of the periodic table by adding arrows and descriptions.

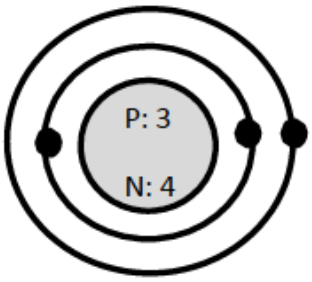


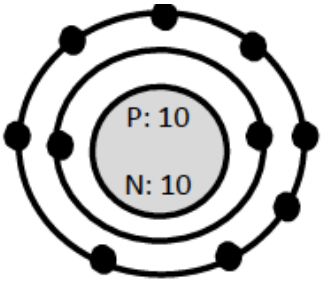
Name: _____ Date: _____ Period: _____

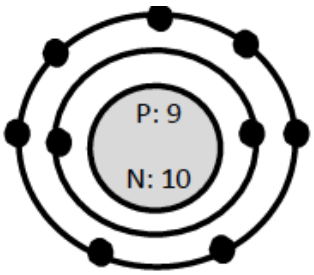
Periodic Table Review Answer Key

Directions: Complete the chart using a periodic table.

M- metals NM- Nonmetals MT- metalloids







Element	lithium	neon	Fluorine
M, NM, MT	M	NM	NM
Reactivity	Highly Reactive	Non-Reactive	Highly Reactive

Directions: fill in the blanks to the statements below.

Vertical columns on the periodic table are called groups.

Horizontal rows on the periodic table are called periods.

The number of protons in an atom is that element's atomic number.

The total of the protons and neutrons is that atom's mass number.

The elements in group 1 are the most reactive metals.

The elements in group 17 are the most reactive nonmetals.

The elements in group 18 are very unreactive.

Directions: Complete the chart using a periodic table.

	Element Symbol	M, NM, or MT	Valence Electrons	Reactivity (high, medium, non)
group 14, period 2	Si	MT	4	meduim
group 2, period 2	Be	M	2	meduim
group 1, period 1	H	NM	1	high
group 18, period 3	Ar	NM	8	non
group 13, period 5	In	M	3	meduim
group 17, period 4	Br	NM	7	high
group 1, period 3	Na	M	1	high

Directions: For each of the following, label as a metal (M), nonmetal (NM), and/or metalloid (MT)

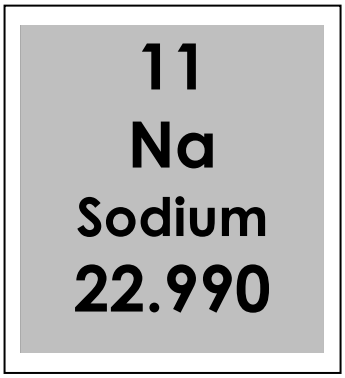
Poor conductor of electricity	NM	Silicon	MT
Usually a solid at room temp	M	Most are a gas at room temp.	NM
Ductile	M	Cobalt	M
Chlorine	NM	Good Conductor	M
Semi-conductor	MT	Brittle	NM, MT
Malleable	M	Oxygen	NM

List the 3 subatomic particles in an atom.

Protons | Neutrons | Electrons

Atomic Number is equal to...	Atomic Mass is equal to...
Protons	(nucleus of the atom) Protons + Neutrons

Label the parts in the periodic square of sodium.



Atomic Number

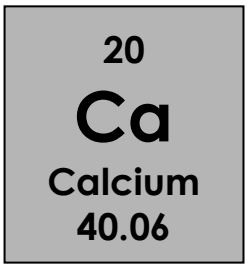
Symbol

Element Name

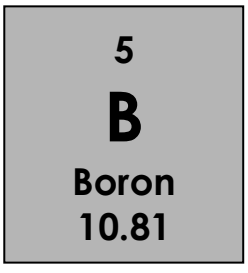
Mass Number

A	Atomic Number	Equal	M	Mass Number
P	Protons		A	Atomic Number (Subtract)
E	Electrons		N	Neutrons

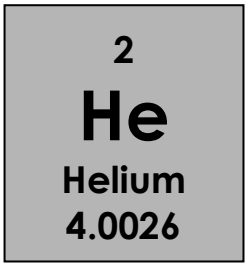
Directions: Complete APEMAN for the elements below



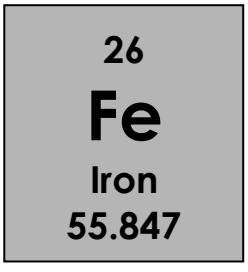
A= 20 M= 40
P= 20 A= 20
E= 20 N= 20



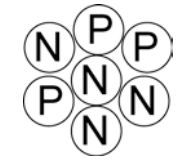
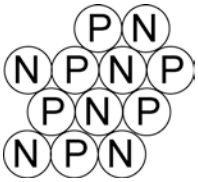
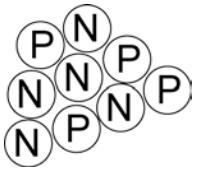
A= 5 M= 11
P= 5 A= 5
E= 5 N= 6



A= 2 M= 4
P= 2 A= 2
E= 2 N= 2



A= 26 M= 56
P= 26 A= 26
E= 26 N= 30

Nucleus of Atom	Element	Electrons	Atomic Mass
	Li	Total= 3 Valence= 1	P= 3 N= 4 Mass= 7
	C	Total= 6 Valence= 4	P= 6 N= 6 Mass= 12
	H	Total= 1 Valence= 1	P= 1 N= 0 Mass= 1
	Be	Total= 4 Valence= 2	P= 4 N= 5 Mass= 9

Directions: label the trends of the periodic table by adding arrows and descriptions.