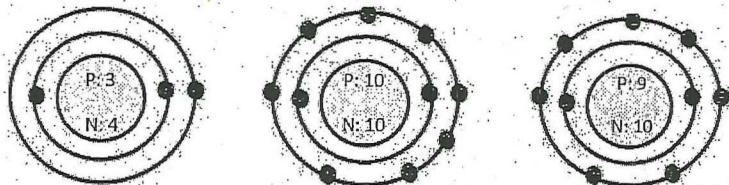


Name: _____ Date: _____ Period: _____

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 | |

A: Atomic Number
 p: Protons
 E: Electrons

M: Mass Number
 A: Atomic Number
 N: Neutrons

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.

11
Na
 Sodium
22.990

| | | | |
|---|--|---|--|
| A | | M | |
| P | | A | |
| E | | N | |

Directions: Complete APEMAN for the elements below

20
Ca
 Calcium
 40.06

A= M=
 P= A=
 E= N=

5
B
 Boron
 10.81





A= M=
 P= A=
 E= N=

2
He
 Helium
 4.0026

A= M=
 P= A=
 E= N=

26
Fe
 Iron
 55.847

A= M=
 P= A=
 E= N=

| Nucleus of Atom: | Element | Electrons | Atomic Mass |
|---|---------|-----------|-------------|
|  | | | |
|  | | | |
|  | | | |
|  | | | |

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

