

## MT 2: Periodic Table Worksheet

## Part 1: Tell which element is located in the following groups and periods.

a.  group 4, period 5      h. \_\_\_\_\_ group 16, period 6

b. \_\_\_\_\_ group 2, period 2      i. \_\_\_\_\_ group 17, period 3

c. \_\_\_\_\_ group 6, period 6      j. \_\_\_\_\_ group 11, period 5

d. \_\_\_\_\_ group 18, period 1      k. \_\_\_\_\_ group 5, period 4

e. \_\_\_\_\_ group 14, period 5      l. \_\_\_\_\_ group 10, period 6

f. \_\_\_\_\_ group 12, period 4      m. \_\_\_\_\_ group 13, period 3

g. \_\_\_\_\_ group 1, period 7      n. \_\_\_\_\_ group 15, period 6

Part 2: For each of the following, label as a metal, nonmetal, metalloid.

o. \_\_\_\_\_ germanium

p. \_\_\_\_\_ usually a solid at room temp

q. \_\_\_\_\_ ductile

r. \_\_\_\_\_ chlorine

s. \_\_\_\_\_ lithium

t. \_\_\_\_\_ silicon

u. \_\_\_\_\_ malleable

v. \_\_\_\_\_ usually a gas at room temp

w. \_\_\_\_\_ cobalt

x. \_\_\_\_\_ good conductor of heat

y. \_\_\_\_\_ helium

z. \_\_\_\_\_ oxygen

## Part 3 – Groups and Periods:

1. Vertical columns on the periodic table are called \_\_\_\_\_.
2. Horizontal rows on the periodic table are called \_\_\_\_\_.
3. The number of protons in an atom is that element's \_\_\_\_\_ number.
4. The number of protons and neutrons in an atom is that atom's \_\_\_\_\_ number.

Name \_\_\_\_\_ Class \_\_\_\_\_

5. The ability of a material to be drawn into a thin wire is called \_\_\_\_\_.
6. The ability of a material to be pounded into thin sheets is called \_\_\_\_\_.
7. The elements in group 1 are called the \_\_\_\_\_.
8. The elements in group 2 are called the \_\_\_\_\_.
9. The elements in group 18 are called the \_\_\_\_\_.
10. The elements in group 17 are called the \_\_\_\_\_.
11. The elements in group \_\_\_\_\_ are the most reactive metals.
12. The elements in group \_\_\_\_\_ are the most reactive nonmetals.
13. The elements in group \_\_\_\_\_ are very unreactive.