

Name _____ Class _____

MT 2: Periodic Table Worksheet

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

- | | |
|---|-----------------------------|
| a. Zr 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.