

Periodic Table Worksheet

They aren't using the 1A, 2A, etc, they are using the 1-18 group #'s

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

- a. Zr group 4, period 5
- b. Be group 2, period 2
- c. W group 6, period 6
- d. He group 18, period 1
- e. Sn group 14, period 5
- f. Zn group 12, period 4
- g. Fr group 1, period 7
- h. Po group 16, period 6
- i. Cl group 17, period 3
- j. Ag group 11, period 5
- k. V group 5, period 4
- l. Pt group 10, period 6
- m. Al group 13, period 3
- n. Bi group 15, period 6

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

- a. non metal poor conductor of electricity
- b. metal usually a solid at room temp
- c. metal ductile
- d. non metal chlorine
- e. metalloid semiconductor
- f. metalloid silicon
- g. metal malleable
- h. non metal usually a gas at room temp
- i. metal cobalt
- j. metal good conductor of heat
- k. non metal brittle
- l. non metal oxygen

Name _____ Date _____ Class _____

3. Vertical columns on the periodic table are called groups (or families).
4. Horizontal rows on the periodic table are called periods.
5. The number of protons in an atom is that element's atomic # number.
6. The number of protons and neutrons in an atom is that atom's mass number.
7. The ability of a material to be drawn into a thin wire is called ductile.
8. The ability of a material to be pounded into thin sheets is called malleable.
9. The elements in groups 3 through 12 are called the transition metals.
10. The elements in group 1 are called the alkali metals.
11. The elements in group 2 are called the alkaline earth metals.
12. The elements in group 18 are called the noble gases.
13. The elements in group 17 are called the halogens.
14. The elements in group 1 are the most reactive metals.
15. The elements in group 17 are the most reactive nonmetals.
16. The elements in group 18 are very unreactive.
17. The elements in group _____ react very violently with water.

SKIP #17, we don't cover that anymore