

Periodic Table Worksheet

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

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|-----------------------------|-----------------------------|
| 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 |

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

- _____ poor conductor of electricity
- _____ usually a solid at room temp
- _____ ductile
- _____ chlorine
- _____ semiconductor
- _____ silicon
- _____ malleable
- _____ usually a gas at room temp
- _____ cobalt
- _____ good conductor of heat
- _____ brittle
- _____ oxygen

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

18. Complete the following atomic chart.

ISOTOPE	# OF PROTONS	# OF NEUTRONS	# OF ELECTRONS	ATOMIC NUMBER	MASS NUMBER
Ca-42					
Ni-54					
	13	15			
				16	31
				9	18
	32				61
Li-7					
Mg-25					