

Metals, Nonmetals, & Metalloids S/G

(Chapter 4, sections 3 and 4)

Name _____
Period _____

1. What are four physical properties of metals?

.....
a) What is malleability?

.....
b) What is ductility?

.....
c) What is conductivity?

2. What is reactivity? How do metals usually react?

.....
a) What is corrosion? (Look in the glossary)

3. Complete these sentences:

The _____ in a _____, or _____, have
_____, and these family _____
_____ gradually as you _____ the table.

The _____ of _____ tends to _____ as
you _____ from _____ to _____ the
_____.

4. Which elements are described as synthetic? Why? How are they made?

5. What is a nonmetal? What are physical properties of nonmetals?

6. What are chemical properties of nonmetals? How do nonmetals usually react?

7. What is a diatomic molecule? Give an example.

8. What are the metalloids? What are physical properties of metalloids?

9. What are semiconductors?

10. a) Groups 1, 2, 17, and 18 have special names. What is the name of each?

.....

b) What are groups 3 through 12 called?

.....

c) Groups 13 through 16 are identified by the first element in the family. What is the name of each family?

.....

d) What are the two rows of elements below the main periodic table called?