Metals, Nonmetals, and Metalloids

**What are metals?**

1. Metals share certain properties such as surfaces.

2. Metals conduct and well.

3. Metals are also easy to shape because they have .

4. The property of allows metals to be pulled into thin wires.

5. Almost all metals occur naturally in the state but they vary in

6. When left outdoors, many metals will as they combine with nonmetals around them.

**How do we use metals?**

7. Metals such as steel are useful because they are both and flexible.

8. Reactive metals such as cadmium and nickel are used to make electricity in .

**What elements are nonmetals and metalloids?**

9. Nonmetals are not good of electricity.

10. Instead of bending, nonmetals usually or

11. Elements with properties between metals and nonmetals are .

12. Solid metalloids look like metals, but they do not have surfaces.

13. Because they do not bend well, metalloids are not or ductile.

14. Metalloids are called because they don’t conduct electricity as well as metals but they conduct it better than nonmetals.

**How do we use nonmetals and metalloids?**

15. Nonmetals are excellent of electricity and heat.

16. Semiconductor metalloids such as are used to make computer chips.

a. corrosion b. ductility c. malleability

d. metal e. metalloid f. noble gas

g. nonmetal h. semiconductor

1. I am a shiny solid that conducts electricity very well. What am I?

2. I am very particular. I am an element that does nto like to mix with others. What am I?

3. Look for me in the middle of columns in the periodic table. I am located between metals and nonmetals. Who am I?

4. I am a property of metals. Because of me, people can make copper into thin wires. What am I?

5. I am a poor conductor of electricity. Try to bend or flatten me and I will break or crumble instead. Who am I?

6. I happen when metals are left outdoors and combine with nonmetals. I create rust in iron. Who am I?

7. I am the property that lets you bend and shape metal. What am I?

8. I am a metalloid used in computer chips. I conduct electricity better than a nonmetal, but not as well as a metal. Who am I?