

Name \_\_\_\_\_

Date \_\_\_\_\_

# Quiz

## **Electrical Current**



### **True or False? Circle T or F**

1. A battery converts chemical energy to electrical energy. T or F
2. A battery produces alternating current. T or F
3. Metals are good insulators. T or F
4. Falling water can be used to generate electricity. T or F
5. A light switch can be used to open or close an electrical circuit. T or F
6. Solar cells can be used to power calculators and cars, and to heat buildings. T or F

### **Multiple Choice: Circle the letter of the best answer.**

7. An electrical current is described as being moving
  - A Protons
  - B Neutrons
  - C Electrons
  - D Atoms
8. Which of the following is NOT a term that is used to describe electrical current?
  - A Temperature
  - B Amperage
  - C Volts
  - D Watts

Name \_\_\_\_\_

Date \_\_\_\_\_

# Quiz

## **Magnetism**

### **True or False? Circle T or F**

1. The Earth is a large magnet. T or F
2. The Earth's magnetic field is weakest at the north and south pole. T or F
3. All planets have magnetic fields. T or F
4. Some planets have magnetic fields that are stronger than the Earth's magnetic fields. T or F
5. The three magnetic elements are iron, nickel and cobalt. T or F
6. When a bar magnet with two poles is cut in half, each half has only one pole – either north or south. T or F
7. A magnet is made from iron in which all the electrons are spinning in the direction. T or F

### **Multiple Choice: Circle the letter of the best answer.**

8. Which of the following does NOT incorporate a magnet?
  - A Telephone
  - B Bankcard
  - C Video tapes
  - D Sewing machine

