

## Electricity and Magnetism Quiz

Circle the correct answer to each question.

- True**      **False**      1. Like ends of a magnet repel each other.
- True**      **False**      2. All matter is made of atoms.
- True**      **False**      3. All materials have magnetic properties.
- True**      **False**      4. Engineers have designed devices using magnets that we use every day.
- True**      **False**      5. You can use electricity to make a magnet.
6. What do magnets do?
- a. Attract all types of objects.                      b. Attract plastic objects.  
c. Attract wooden objects.                          d. Attract iron objects.
7. What is found at the center of an atom?
- a. electrons    b. the nucleus  
c. pions    d. the orbital shell
8. In electricity, a current is
- a. a flow of electrons.                                  b. the price we pay for electricity.  
c. a flow of atoms.                                      c. a device engineers use to measure electricity.
9. The north pole of one magnet attracts
- a. the north pole of another magnet.  
b. the south pole of another magnet.  
c. either the north pole or the south pole of another magnet.
10. Circle all of the objects listed below that use electricity.
- |                |                |            |
|----------------|----------------|------------|
| light bulb     | calculator     | candle     |
| refrigerator   | car            | bicycle    |
| cellular phone | microwave oven | flashlight |