

Chapter 5 Practice Test

For questions 1 to 6, write the word from column B that matches the definition in column A.

A	B
1. A pathway for the flow of electric current: _____	a) load
2. The force that holds a balloon to the wall: _____	b) conductor
3. A material that allows the flow of electric current: _____	c) insulator
4. The steady flow of electricity: _____	d) static electricity
5. A device that converts electric energy to a useful form of energy: _____	e) electric current
6. A material that does not allow the flow of electric charges: _____	f) electric circuit

7. Decide whether each of the following statements is true or false. If it is false, rewrite it to make it true.

a) True/False The load in a household circuit is always close to its source.

b) True/False Your body is an example of an insulator.

c) True/False When a switch is turned on, the circuit is open.

d) True/False The 3 necessary parts of a working electric circuit are the source, the load, and the battery.

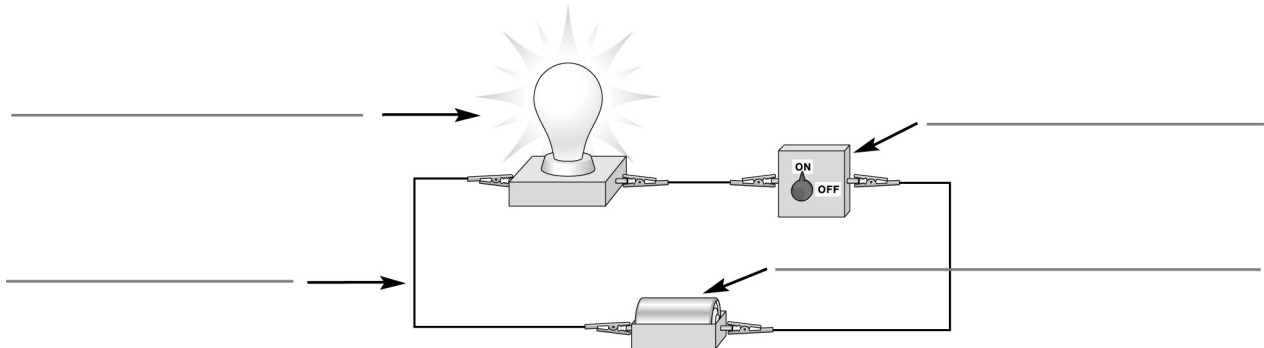
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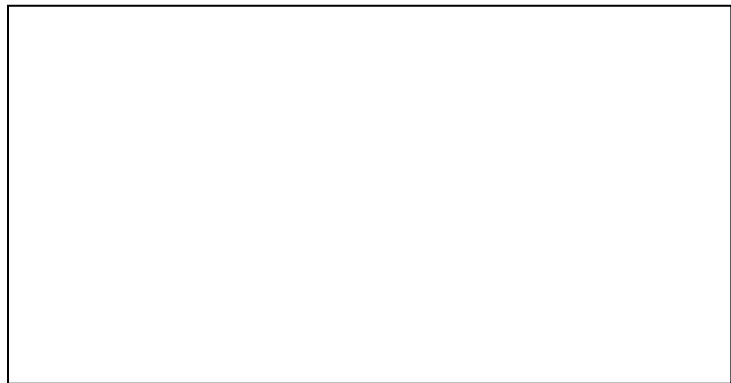
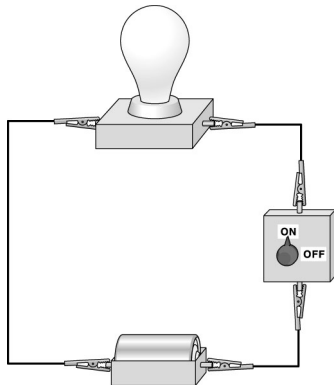
BLM 5-7

(continued)

- 8.** In the space beside each circuit component, draw the correct circuit symbol.



- 9.** Draw a diagram that uses circuit symbols to show the following circuit.



- 10.** List a device in your home that converts
- a)** electric energy to light energy _____
 - b)** electric energy to heat energy _____
 - c)** electric energy to motion energy _____
 - d)** electric energy to sound _____
- 11.** When you turn on a cell phone:
- a)** What is the source of electric energy in the cell phone?

 - b)** What feature on your phone acts as a switch?

 - c)** What two energy conversions take place in a cell phone?

