

Chapter 5 Test

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

A	B
1. A circuit with a gap: _____	a) battery
2. When electricity flows through your body, it can result in death by: _____	b) switch
3. A source of electric energy: _____	c) electrocution
4. A device that opens and closes a circuit: _____	d) open circuit
5. Device that converts electric energy to light energy: _____	e) closed circuit
6. A complete path for the flow of electric current: _____	f) light bulb

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** Rubber and glass do not let electric current flow through them.

b) **True/False** Electric current can flow through an open circuit.

c) **True/False** A battery converts electric energy to chemical energy.

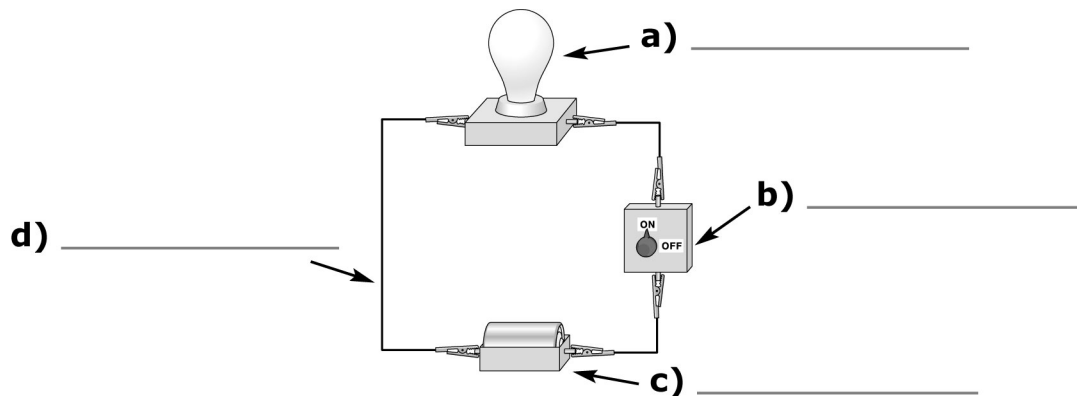
d) **True/False** Frayed electric cords must be replaced or repaired before use.

Name: _____

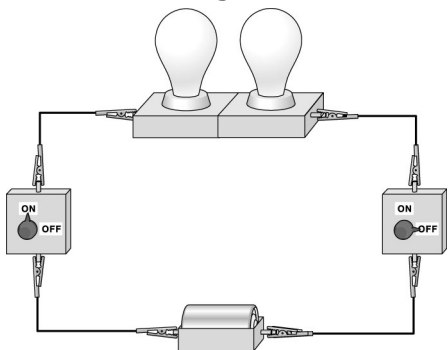
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(continued)

8. In the space beside each circuit component, label the component.



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



10. List a device in your school 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 flashlight

- a) What is the source of electric energy in the flashlight?

- b) What is the load for the flashlight?

- c) What two energy conversions take place in a flashlight?

