

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**BLM 6-12**

## Chapter 6 Test

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

A	B
1. a device used to measure voltage: _____	a) current
2. another term for potential difference: _____	b) short circuit
3. a unit measure of voltage: _____	c) ammeter
4. measured in amperes: _____	d) volts
5. a device used to measure current: _____	e) voltmeter
6. circuit with no useful load: _____	f) voltage

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

**a) True/False** Current can be measured using a voltmeter.

\_\_\_\_\_

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

\_\_\_\_\_

**c) True/False** A battery is the source for current in an electric circuit.

\_\_\_\_\_

Name: \_\_\_\_\_

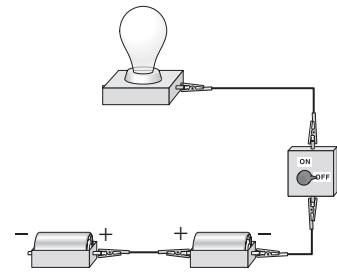
Date: \_\_\_\_\_

**BLM 6-12**  
(continued)

- 8.** A classmate has just finished building a circuit. Circle two things that are done incorrectly. For each problem you find, write what the student should be doing instead.

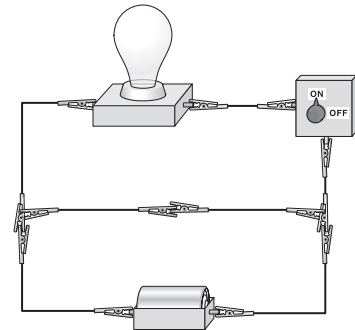
**a)** \_\_\_\_\_

**b)** \_\_\_\_\_

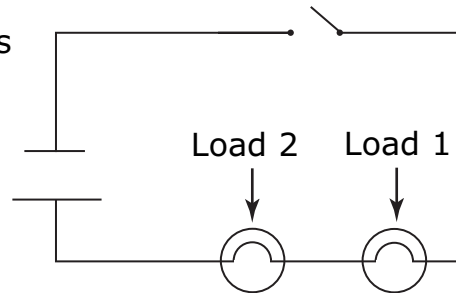


- 9.** Explain why the bulb is not lit in this circuit.

\_\_\_\_\_



- 10.** Jodi has built the circuit shown here. She wants to measure the current through the conductor and the voltage across Load 2.



- a)** Draw a new circuit diagram to show how Jodi should connect the ammeter.



- b)** Draw a new circuit diagram to show how Jodi should connect the voltmeter.

