

Chapter 8 Practice Test

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

A	B
1. Different kinds of devices _____ different amounts of current.	a) central electric panel
2. Many buildings and most cars and trucks have a _____ box.	b) draw
3. If a circuit is overloaded, the circuit breaker _____.	c) fuse
4. The arrangement of circuits in a building is often called the _____.	d) ground
5. When you _____ an object, you connect it to Earth.	e) trips
6. Current enters a building through a _____.	f) wiring

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 A device that can increase or decrease voltage is called a GFI outlet.

b) True/False A hot wire carries current away from a load.

c) True/False Most outlets in a home carry 120 V.

d) True/False A ground fault is any unsafe pathway for current to travel between a conductor and the ground.

Name: _____

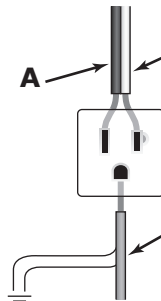
Date: _____

BLM 8-5
(continued)

8. Complete the labels by naming each wire and its colour code.

Wire A:

Colour code: _____



Wire B:

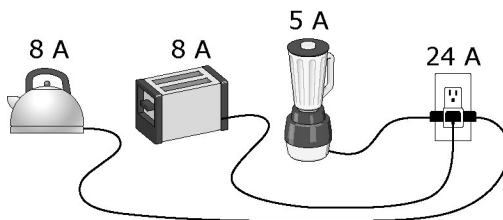
Colour code: _____

Wire C:

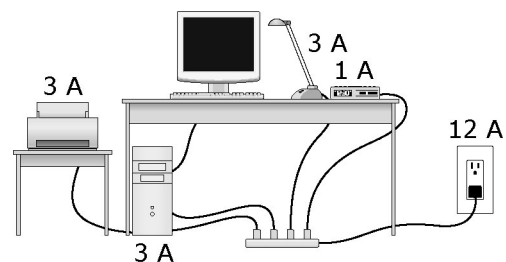
Colour code: _____

9. Under each image, write "safe" if the circuit shown is safe. Write "overloaded" if the circuit is overloaded. Show how you know.

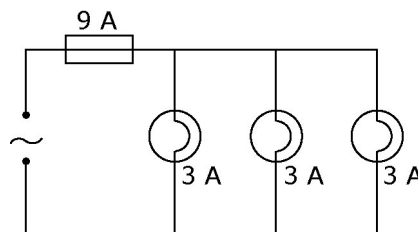
a)



b)



10. Explain what will happen if a fourth 3 A bulb is connected in parallel to this circuit, and why.



11. a) Why would you use a GFI outlet?

b) How does a GFI outlet help keep you safe around electricity?

