

Chapter 8 Test

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

A	B
1. If the current in a circuit is too high, the circuit is _____.	a) power transmission grid
2. When an object is connected through a conductor to the earth it is _____.	b) fuse
3. A _____ contains the breakers and a directory of the circuits in a building.	c) overloaded
4. A _____ is a safety device that has to be replaced when it burns out.	d) grounded
5. All homes are connected to a _____.	e) breaker
6. A _____ is a safety device that works like a switch.	f) circuit panel

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 circuit breaker has to be replaced when it trips.

b) True/False A ground wire is used to protect you from a ground fault.

c) True/False A neutral wire is white or red.

d) True/False A transformer can increase or decrease voltage.

Name: _____

Date: _____

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(continued)

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

Wire A:

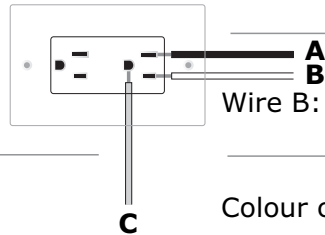
Colour code:

Wire C:

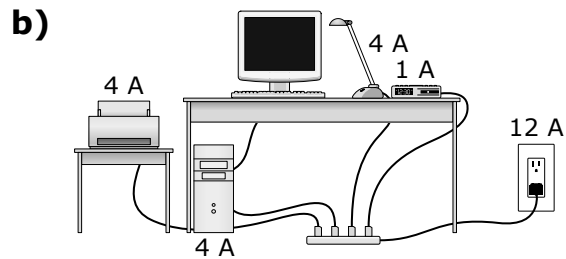
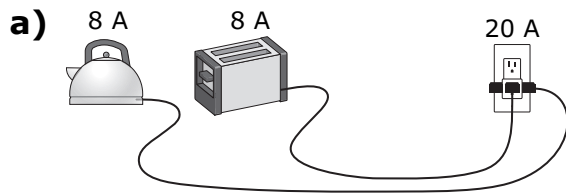
Colour code:

Wire B:

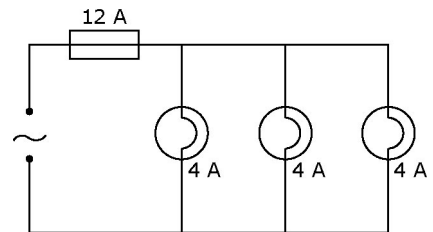
Colour code:



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



10. Explain what will happen if a fourth 4 A bulb is connected in parallel to this circuit, and why.



11. a) You are going to put a new outlet over your bathroom sink. Why would a GFI outlet be a good choice?

b) Explain how a GFI outlet works.