

It's a Wired World

Pre/Post Test

Directions: Circle the correct answer.

- 1. Which of these describes the correct path electricity takes to get to homes?
 - a) generating plant, transmission lines, substation, distribution lines
 - b) distribution lines, transmission lines, generating plant, substation
 - c) generating plant, substation, distribution lines, transmission lines
 - d) substation, distribution lines, generating plant, transmission lines
- 2. You should never experiment with household electricity because

a) you might damage a nearby power plant	c) you might be seriously hurt or killed
b) you might waste electricity	d) the current is too weak

3. Almost anything can b a) rubberized	ecome a conductor of e b) encased in glass	electricity if it is c) wet	d) hot
4. Electrocution meansa) fatal contact with eb) when the flow of e		c) mild shock d) when a fire begins	
5. A short circuit is dangea) the wires are too slb) people can get sho	nort	c) it can cause a fire d) both b and c	
6. A circuit stays on if the a) circuit breaker	e electricity flows in a b) continuous circle	c) electrical panel	d) straight path
7. Why are overloaded ora) you might trip oveb) they might ruin yo	r the wires	c) they are a fire hazardd) they waste energy	
8. Never enter a substatioa) you might block thb) the air is too hot		c) you will set off alarmsd) you might get shocked or electrocuted	
9. Some effects of electric a) burn	cal shock on the humar b) pain	n body may be c) death	d) a, b, and c
10. If there is an electricaa) call 911b) tell an adult who n	l fire you should nay use a proper chemi	cal fire extinguisher	c) spray it with water d) a and b only

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Answer Key

Information that relates to each question can be found on the pages listed below.

- 1. a) generating plant, transmission lines, substation, distribution lines. Page 2
- 2. c) you might be seriously hurt or killed. Page 3.
- 3. c) wet. Page 5.
- 4. a) fatal contact with electricity. Page 5.
- 5. d) both b and c. Page 7.
- 6. b) continuous circle. Page 9.
- 7. c) they are a fire hazard. Page 10.
- 8. d) you might get shocked or electrocuted. Page 11.
- 9. d) a, b, and c. Page 12.
- 10. d) a and b only. Page 13.