

It's a Wired World

Pre/Post Test

Directions: Circle the correct answer.

1. You should never experiment with household electricity because
 - a) you might damage a nearby power plant
 - b) you might waste electricity
 - c) you might be seriously hurt or killed
 - d) the current is too weak
2. An example of a good conductor of electricity is
 - a) rubber
 - b) glass
 - c) water
 - d) plastic
3. A short circuit is dangerous because
 - a) the wires are too short
 - b) people can get shocked or killed
 - c) it can cause a fire
 - d) both b and c
4. Why are overloaded outlets dangerous?
 - a) you might trip over the wires
 - b) they might ruin your appliance
 - c) they are a fire hazard
 - d) they waste energy
5. Never enter a substation because
 - a) you might block the electrical flow
 - b) the air is too hot
 - c) you will set off alarms
 - d) you might get shocked or electrocuted
6. Some effects of electrical shock on the human body may be
 - a) burn
 - b) pain
 - c) death
 - d) a, b, and c
7. If there is an electrical fire you should
 - a) call 911
 - b) tell an adult who may use a proper chemical fire extinguisher
 - c) spray it with water
 - d) a and b only
8. The burners on top of the range are working correctly if they
 - a) have a blue flame
 - b) have a large, yellow flame
 - c) have a red flame
 - d) are flickering
9. What should you do if you smell natural gas?
 - a) stay in your house
 - b) tell an adult
 - c) turn on the lights
 - d) use your phone to call the gas company
 - e) use your phone to call the gas company
10. Leaks from natural gas pipelines can be recognized by
 - a) the smell of rotten eggs
 - b) dirt blowing in the air
 - c) a hissing sound
 - d) a, b, and c

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Answer Key

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

1. c) you might be seriously hurt or killed. Page 3
2. c) water. Page 5
3. d) both b and c. Page 7
4. c) they are a fire hazard. Page 10
5. d) you might get shocked or electrocuted. Page 11
6. d) a, b, and c. Page 12
7. d) a and b only. Page 13
8. a) have a blue flame. Page 15
9. b) tell an adult. Page 15
10. d) a, b, and c. Page 15