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## It's a Wired World

Pre/Post Test
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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
  - b) you might waste electricity
  - c) you might be seriously hurt or killed
  - d) the current is too weak
3. An example of a good conductor of electricity is
  - a) rubber
  - b) glass
  - c) water
  - d) plastic
4. Electrocutation means
  - a) fatal contact with electricity
  - b) when the flow of electricity is cut off
  - c) mild shock
  - d) when a fire begins
5. 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
6. A circuit stays on if the electricity flows in a
  - a) circuit breaker
  - b) continuous circle
  - c) electrical panel
  - d) straight path
7. 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
8. 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
9. Some effects of electrical shock on the human body may be
  - a) burn
  - b) pain
  - c) death
  - d) all of the above
10. 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

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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) water. 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) all of the above: a, b, and c. Page 12.
10. d) a and b only. Page 13.