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Electrical Safety World

Pre/Post Test

Directions: Circle the correct answer.

- Electricity flows in a closed path called
 - a route
 - a circuit
 - an electrical panel
 - an outlet
- Which of these correctly describes the path electricity takes to get from power lines to homes?
 - service wires, transformer, power lines, electrical panel
 - transformer, service wires, electrical panel, power lines
 - power lines, transformer, service wires, electrical panel
 - electrical panel, power lines, transformer, service wires
- An example of a good conductor that allows electricity to flow through it is
 - rubber
 - glass
 - water
 - fire
- An example of an insulator that does not allow electricity to flow easily through it is
 - specially tested rubber gloves
 - copper wire
 - an aluminum ladder
 - a silver fork
- While in your house during an electrical storm, which is the safest thing to do?
 - take a bath
 - wash dishes in the sink
 - play video games on a plugged-in computer
 - read a book
- Electricity is always looking for the easiest path to the
 - sky
 - ground
 - house
 - school
- What should you not do if you see a fallen power line?
 - stay far away
 - touch it
 - call 911 to report the fallen line
 - warn others to stay away
- Why can most birds stand on power lines and not get shocked?
 - they don't give electricity a path to the ground
 - they are just lucky
 - their feathers are nonconductive
 - they don't have enough water in their bodies
- Why is it important to call the underground utility locator service at 811 before starting a digging project?
 - to avoid hitting buried electric lines
 - to find out what to do with the dirt
 - to ask what size shovel to use
 - to get a map from them
- Which of these is not a safe thing to do if someone is being shocked by electricity?
 - tell an adult to turn off main power to the house
 - call 911 for help
 - stay away from the person
 - touch the person

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Pre/Post Test Answer Key

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

1. b) a circuit. Page 6.
2. c) power lines, transformer, service wires, electrical panel. Page 6.
3. c) water. Page 8.
4. a) specially tested rubber gloves. Page 8.
5. d) read a book. Page 9.
6. b) ground. Page 10.
7. b) touch it. Page 11.
8. a) they don't give electricity a path to the ground. Page 13.
9. a) to avoid hitting buried electric lines. Page 14.
10. d) touch the person. Page 15.