

DIRECTIONS:

Circle the correct answer.

- 1 Electricity flows in a closed path called
 - a a route
 - b a circuit
 - c an electrical panel
 - d an outlet
- 2 Which of these correctly describes the path electricity takes to get from power lines to homes?
 - a service wires, transformer, power lines, electrical panel
 - b transformer, service wires, electrical panel, power lines
 - c power lines, transformer, service wires, electrical panel
 - d electrical panel, power lines, transformer, service wires
- 3 An example of a good conductor that allows electricity to flow through it is
 - a rubber
 - b glass
 - c water
 - d fire
- 4 An example of an insulator that does not allow electricity to flow easily through it is
 - a specially tested rubber gloves
 - b copper wire
 - c an aluminum ladder
 - d a silver fork
- 5 While in your house during an electrical storm, which is the safest thing to do?
 - a take a bath
 - b email your friend
 - c talk on the telephone
 - d read a book
- 6 Electricity is always looking for the easiest path to the
 - a Sky
 - b Ground
 - c House
 - d school

- 7 What should you not do if you see a fallen power line?
- a stay far away
 - b touch it
 - c call 911 to report the fallen line
 - d warn others to stay away
- 8 Why is it important to call the underground utility locator service before starting a digging project?
- a to avoid hitting buried electric lines
 - b to find out what to do with the dirt
 - c to ask what size shovel to use
 - d to get a map from them
- 9 Why can most birds stand on power lines and not get shocked?
- a they don't give electricity a path to the ground
 - b they are just lucky
 - c their feathers are nonconductive
 - d they don't have enough water in their bodies
- 10 Which of these is not a safe thing to do if someone is being shocked by electricity?
- a tell an adult to turn off the main power to the house
 - b call 911 for help
 - c stay away from the person
 - d touch the person

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) to avoid hitting buried electric lines. Page 14
- 9 a) they don't give electricity a path to the ground. Page 13
- 10 d) touch the person. Page 15