

Electrical & Natural Gas Safety World

Pre/Post Test

Directions: Circle the correct answer.

1. Which one of the following does not get its energy from electricity or natural gas?
a) refrigerator b) air conditioner c) washing machine d) bicycle
2. A form of energy found deep in the earth and that flows through pipes to the surface is
a) electricity b) natural gas c) coal d) zinc
3. Fuels that can someday be used up and that cannot be replenished in a short period of time are:
a) renewable fuels b) nonrenewable fuels
4. Electricity flows in a closed path called
a) a route b) a circuit c) an electrical panel d) an outlet
5. Which of these describes the correct path electricity takes to get 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
6. An example of a good conductor of electricity is
a) wood b) rubber c) glass d) water
7. An example of an insulator that does not allow electricity to flow easily through it is
a) specially tested rubber gloves c) copper wire
b) an aluminum ladder d) a silver fork
8. While in your house during an electrical storm, which is the safest thing to do?
a) take a bath c) email your friend
b) talk on the telephone d) read a book
9. Electricity is always looking for the easiest path to the
a) sky b) ground c) house d) telephone pole
10. What should you not do if you see a fallen power line?
a) stay far away c) touch it
b) call 911 to report the fallen line d) warn others to stay away

11. What are the three states of matter?
- a) electricity, volt, amp
 - b) liquid, gas, wind
 - c) solid, liquid, rock
 - d) gas, liquid, solid
12. Natural gas can run all of the following in your home except
- a) computers
 - b) furnaces
 - c) water heaters
 - d) ovens
13. Which of these is not a safe thing to do?
- a) keep the area around gas appliances clear
 - b) start a major digging project without first calling the local utility
 - c) tell an adult if you smell natural gas
 - d) play far away from gas pipes and appliances
14. Which of the following is not a sign of an outdoor gas leak?
- a) a hissing sound
 - b) a smell of rotten eggs
 - c) a smell like fresh paint
 - d) plants that seem to be dying for no reason

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Pre/Post Test Answer Key

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

1. d) bicycle. Page 2
2. b) natural gas. Page 3
3. b) nonrenewable fuels. Page 4
4. b) a circuit. Page 6
5. c) power lines, transformer, service wires, electrical panel. Page 6
6. d) water. Page 8
7. a) specially tested rubber gloves. Page 8
8. d) read a book. Page 9
9. b) ground. Page 10
10. c) touch it. Page 11
11. d) gas, liquid, solid. Page 13
12. a) computers. Page 14
13. b) start a major digging project without first calling the local utility. Page 15
14. c) a smell like fresh paint. Page 15