

The Shocking Truth About Electricity & Natural Gas

Pre/Post Test

Directions: Circle the correct answer.

1. What is the name of the path that electricity travels?
a) wire b) street c) circuit d) volt
2. Natural gas is carried to our homes through
a) delivery trucks b) underground pipelines c) wires d) the atmosphere
3. A material that electricity can flow through easily is called
a) an insulator b) a conductor c) a battery d) a jar
4. The pressure of electric current is measured in
a) amps b) inches c) meters d) volts
5. Electricity always takes the easiest
a) insulator b) path to the ground c) voltage d) shock
6. A ground fault circuit interrupter (GFCI) monitors the flow of
a) gas b) water c) air d) electricity
7. What measures the amount of work done by electrical power?
a) watt b) volt c) circuit d) amp
8. What do substations do?
a) raise electricity's voltage c) dispatch submarines
b) lower electricity's voltage d) manufacture utility poles
9. Why must you keep the area near natural gas appliances clear of toys, books, and papers?
a) so nothing will be taken c) so your belongings don't get dirty
b) because these appliances have a flame and could ignite a fire d) so you can play there
10. Which of these is not a safe thing to do if you smell gas and an adult is not home?
a) get everyone out of the house c) go to a pay phone or neighbor's to call the gas company
b) light a candle

11. Always assume that downed power lines are
a) safe b) carrying electricity and unsafe c) okay to touch
12. What should you not do if you see an electrical fire?
a) telephone for help from a safe location c) put the fire out with water
b) tell an adult about the fire d) have an adult use a proper chemical extinguisher
13. If someone is being shocked by electricity what should you not do?
a) tell an adult to turn off the power at the fuse box or circuit breaker
b) call 911 for help
c) have an adult give CPR if victim is not in contact with electricity
d) grab the person and pull them away from the electricity
14. Which of the following is not a sign of an outdoor gas pipeline leak?
a) a hissing sound c) a smell like fresh paint
b) a smell of rotten eggs 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. c) circuit. Page 2
2. b) underground pipelines. Page 3
3. b) a conductor. Page 4
4. d) volts. Page 5
5. b) path to the ground. Page 5
6. d) electricity. Page 7
7. a) watt. Page 8
8. b) lower electricity's voltage. Page 9
9. b) because these appliances use a flame. Page 11
10. b) light a candle. Page 12
11. b) carrying electricity and unsafe. Page 13
12. c) put the fire out with water. Page 14
13. d) grab the person and pull them away from the electricity. Page 15
14. c) a smell like fresh paint. Page. 12