

Don't Get Zapped!

Play It Safe Around Electricity and Natural Gas

Pre/Post Test

Directions: Circle the correct answer or fill in the blank.

1. What does a defibrillator do?
a) stops people from lying
b) untangles wool
c) uses electricity to restart a stopped heart
d) interrupts the flow of electricity
2. Why is it important to call your local utility before digging in the ground near your home?
a) to avoid hitting buried power lines
b) to find out what to do with the dirt
c) to ask what shovel to use
d) to get a treasure map from them
3. When you work or play outdoors, be sure to keep yourself and your tools at least _____ feet away from all overhead power lines.
a) 2
b) 10
c) 4
d) 50
4. If you see a power line that has fallen, what should you do?
a) ignore it
b) move it to the side of the road
c) ride your bike over it
d) stay away and report it to the local electric utility
5. What is an electron?
a) the center of an atom
b) a particle that orbits the atom's nucleus
c) an insulator
6. What does a natural gas leak smell like?
a) burnt toast
b) old shoes
c) rotten eggs
d) fresh grass
7. If you smell a natural gas leak, get everyone out of the house. Don't use a light switch, candle, flashlight, or telephone because a spark might cause the gas to
a) ignite
b) shock you
c) smell worse
d) poison you
8. Because electricity travels easily through water, what kinds of radios are safe to use near the bathtub or swimming pool?
a) small radios
b) ham radios
c) battery-powered radios
d) no radios
9. In order to flow, electricity must travel on a continuous path or loop. What is this path called?
a) a circle
b) a circuitous route
c) a circus
d) a circuit

10. How does a ground fault circuit interrupter (GFCI) protect people?
- a) when another caller is waiting on the line, the GFCI interrupts your phone call
 - b) when there is trouble, the GFCI automatically calls the utility company
 - c) if electricity is leaving a circuit, the GFCI quickly shuts off the power
11. If you see lightning or hear thunder and can't get indoors, you are safest
- a) under a tree
 - b) in a hardtop car with the windows shut
 - c) swimming in a lake
12. Wattage is a measure of the _____ that electricity does.
13. Which of the follow 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. c) uses electricity to restart a stopped heart. Page 3
2. a) to avoid hitting buried power lines. Page 5
3. b) 10. Page 5
4. d) stay away and report it to the local electric utility. Page 5
5. b) a particle that orbits the atom's nucleus. Page 6
6. c) rotten eggs. Page 7
7. a) ignite. Page 7
8. c) battery-powered. Page 8
9. d) a circuit. Page 10
10. c) if electricity is leaving a circuit, the GFCI quickly shuts off the power. Page 10
11. b) in a hardtop car with the windows shut. Page 14
12. work. Page 12
13. c) a smell like fresh paint. Page 7