

Stay Safe Around Electricity and Natural Gas

Pre/Post Test

Directions: Circle the correct answer.

- Which of these correctly describes how electricity gets to us?
a) it travels on power lines from a power plant to our homes
b) it travels underground in the roots of powerful plants
c) delivery trucks bring it to us
- Where does natural gas come from?
a) under the earth b) stars c) houses d) skyscrapers
- Which of these things do not use electricity or natural gas?
a) clothes dryers b) ovens c) heaters d) bicycles
- Electricity is always looking for the easiest path to the
a) ground b) insulator c) sky d) telephone pole
- Which of these is a very good conductor of electricity?
a) water b) special glass c) special rubber gloves d) fiberglass
- Which of these devices change electricity's voltage?
a) galvanometer b) transformer c) thermostat d) thermometer
- Which of the following is a safe thing to do?
a) climb a tree near power lines c) play in an open field far away from power lines
b) tug on a kite caught in power lines d) use an electric lawn mower near a sprinkler
- If you see a power line that has fallen, what should you do?
a) ignore it c) keep it a secret
b) move it to the side of the road d) stay away and report it to 911 or the police
- Which of these is a safe thing to do?
a) use a hair dryer while standing in water b) use a plugged-in radio near the bathtub
c) dry your hands before turning off lights d) wet an electric shaver cord while shaving
- Why is it important to call your local utility before digging in the ground near your home?
a) to avoid hitting buried electric lines or gas pipelines c) to ask what size shovel to use
b) to find out what to do with the dirt d) to get a treasure map from them
- Why must you keep the area near 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 use a flame and could ignite a fire d) so you can play there

12. What is the safest thing to do if you smell gas in your house and an adult is not home?
- a) stay in the house and go into another room
 - b) use a telephone in your house to call for help
 - c) leave immediately without using a light switch, candle, flashlight, or telephone
 - d) turn on a light and examine your gas appliances
13. Which of the follow is not a sign of an outdoor gas pipeline 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. a) it travels on power lines from a power plant to our homes. Page 2
2. a) under the earth. Page 3
3. d) bicycles. Page 4
4. a) ground. Page 5
5. a) water. Page 6
6. b) transformer. Page 7
7. c) play in an open field far away from power lines. Pages 8-9
8. d) stay away and report it to 911 or the police. Page 11
9. c) dry your hands before turning off lights. Page 12
10. a) to avoid hitting buried electric lines or gas pipelines. Page 13
11. b) because these appliances use a flame. Page 14
12. c) leave the house without using a light switch, candle, flashlight, or telephone. Page 15
13. c) a smell like fresh paint. Page 15