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Stay Safe Around Electricity and Natural Gas Activity Book

Pre/Post Test

Directions: Circle the correct answer.

- Which of these correctly describes how electricity gets to us?
 - it travels on power lines from a power plant to our homes
 - it travels underground in the roots of powerful plants
- Where does natural gas come from?
 - under the earth
 - stars
 - houses
 - skyscrapers
- Electricity is always looking for the easiest path to the
 - ground
 - insulator
 - sewer
 - fence
- Which of these is a very good conductor of electricity?
 - water
 - special glass
 - special rubber gloves
 - fiberglass
- Which of the following is a safe thing to do?
 - touch power lines
 - reach to retrieve a kite caught in power lines.
 - play in an open field far away from power lines
 - use an electric lawn mower near water
- If you see a power line that has fallen, what should you do?
 - ignore it
 - draw a picture of it
 - keep it a secret
 - stay away and report it to 911
- Which of these is a safe thing to do?
 - use a hair dryer while standing in water
 - use a plugged-in radio near the bathtub
 - dry your hands before turning off lights
 - put an electric shaver cord in water while shaving
- Why is it important to call your local utility before digging in the ground near your home?
 - to avoid hitting buried electric lines or gas pipelines
 - to find out what to do with the dirt
 - to ask what size shovel to use
 - to get a treasure map from them

9. Why must you keep the area near gas appliances clear of toys, books, papers, and other items?
- a) so nothing will be taken
 - b) because these appliances use a flame
 - c) to let you know where these appliances are
 - d) so you can play there
10. 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
 - 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

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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. a) ground. Page 5
4. a) water. Page 6
5. c) play in an open field far away from power lines. Pages 8-9
6. d) stay away and report it to 911 or the police. Page 11
7. c) dry your hands before turning off lights. Page 12
8. a) to avoid hitting buried electric lines or gas pipelines. Page 13
9. b) because these appliances use a flame. Page 14
10. c) leave the house without using a light switch, candle, flashlight, or telephone. Page 15