

Electrical Safety Quiz

Direction: This quiz will be taken as you are watching the PowerPoint on Electrical Safety. As is stated in the PowerPoint: "It is your job to know!" So do your own work and focus on the presentation, the answers are there.

1. What is the most important rule concerning electrical safety?
 - a. Lock-out/tag-out
 - b. Always work with only one hand
 - c. Keep the key
 - d. THINK!
2. What amperage range is most likely to cause fibrillation of your heart and death?
 - a. 100 to 200 milliamps
 - b. 100 to 200 Amps
 - c. 12 to 15 Amps
 - d. 230 volts
3. What does OSHA do?
 - a. Makes sure that new electrical codes are included in the book
 - b. Ensures that we all have safe and healthful workplaces
 - c. Helps electricians determine the wire gauge to be use
 - d. Lobbies Congress concerning electrical concessions
4. What is a Ground Fault?
 - a. When a crack in the earth's crust opens, causing an earthquake
 - b. When an electrical path to ground, other than the intended path is established
 - c. When the electrical system comes in direct contact with the ground causing a short
 - d. Amperage divided by the total voltage equals a ground fault
5. What class of fire extinguisher is to be used to put out an electrical fire?
 - a. Type A
 - b. Type B
 - c. Type C
 - d. Type D
6. What are three warning signs or clues that an electrical hazard exists?

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7. What is the function of a GFCI?

8. What are four types of injuries that may result from contact with electricity?

9. Which of the following PPE should be worn when working with electricity?

- a. Metal hardhat and insulated gloves & clothing
- b. Non-metallic hardhat and insulated gloves & clothing
- c. Non-metallic hardhat and non-insulated gloves & clothing
- d. Metal hardhat and non-insulated gloves & clothing

10. When inspecting tools to see if they are damaged, what should you look for?

- a. Cracks
- b. Damaged insulation
- c. Broken/removed ground pins
- D. All the answers

11. The most dangerous place to use electrical equipment is?

- a. indoors.
- b. outdoors.
- c. near water.
- d. near other electrical equipment.

12. You discover the electrical cord on a drill has been damaged and some of the cord's insulation is missing. You should?

- a. wrap tape around the damaged spot to prevent electrical shocks.
- b. check to see if the drill still works.
- c. tag the drill out of service and notify the department responsible for equipment maintenance.
- d. make sure that the cord does not come in contact with the floor.

13. The safest ladder to use around electricity is?

- a. wood.
- b. fiberglass.
- c. aluminum.
- d. a step stool.

14. The earth, water, concrete and the human body are all conductors of electricity

True or False

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15. The effects of an electrical shock on the body depend upon all the following EXCEPT:

- a. current.
- b. path.
- c. duration.
- d. body weight.

16. Which of the following is acceptable by OSHA standards?

- a. an unqualified employee flipping tripped breakers in a breaker box.
- b. plugging an extension cord into a second extension cord.
- c. removing a ground pin if needed to plug into a two-prong outlet.
- d. a qualified person repairing an extension cord.

17. 18. 19. What's the problem in the following pictures?


