

Electrical Safety-Assessment

Name: _____ Date: _____

Fill in the Blanks

1) What is "Current?" Simply put, current is the _____ of electric charge, or _____. Just as water flows in a pipe, charged particles flow in a conductor. In electrical terms, "current" describes how many _____ flow through a conductor in a given amount of time. Current is measured in _____.

Responsibilities Regarding and Using Electrical Equipment- The following practices are to be followed by all employees:

- 2) Follows the Company's electrical safety policies and _____ and instructions of responsible Supervisors and the Safety and Health Manager.
- 3) Brings to the attention of the supervisor and/or Health and Safety Branch potential _____ situations such as discrepancies between instruction, procedures, policies and manual, faulty equipment, misapplication of device, etc.
- 4) Electrical equipment known to be malfunctioning must be repaired or _____ before use. The repair must be initiated as soon as possible after the malfunction is noted.
- 5) The _____ is responsible for obtaining necessary tools and safety equipment from the designated storage area, checking it for discrepancies, returning it to storage in good condition and identifying any faulty equipment to his/her supervisor.
- 6) _____ protection is required during any electronic or electrical hardware repair, installation and/or open front operation.
- 7) Do not use extension cords that are damaged or have cuts in the insulation. Only use extension cords that have a _____ wire (i. e., _____ pronged).
- 8) Before any maintenance is performed on equipment all sources of electricity shall be _____ -out and _____ -out.
- 9) Except in emergencies, the person who put it on should only do the _____ of lockout/ tagout devices.

10) A _____ is a fast acting device that monitors the current flow of a circuit. In the event of leakage of 5 milliamps or more, the _____, in a fraction of a second, shuts off the current to the appliance. _____ do not stop shock, but limit the duration.

Check all that apply

11) There are three basic ways which shock occurs:

- ____ A person does not use a grounded extension cord
- ____ A person comes in contact with both wires of an electric circuit
- ____ A person comes in contact with a wire from an electric circuit and the ground source
- ____ A person comes in contact with a ground source and a metal part that is in contact with a wire from an electric circuit

12) Minimizing Electrical Hazards- Electrical hazards, while always present at the Company, can be minimized. There are various ways of protecting from electrical hazards. These include:

- ____ Locking and tagging equipment
- ____ Guarding
- ____ Grounding
- ____ Mechanical devices
- ____ Working under the influence of alcohol
- ____ Personal protective equipment
- ____ Safe work practices
- ____ Safe practices when working with portable equipment
- ____ Proper use of electrical cords and plugs
- ____ Safe practice when working at heights

13) Basic electric cord safety practices include:

- ____ Inspect cords regularly. Look for signs of stretching, insulation damage, and kinking. Don't use if these conditions are evident.
- ____ Keep cords and cables clean and free from kinks. Kinking can damage both the cord's insulation and internal wire.
- ____ Carry a tool by its cord
- ____ When using tools which require a third wire ground use only three wire extension cords with three- pronged, grounding plugs and three hole electric outlets.
- ____ Never cut off the grounding plug from a cord unless it's for a short period only
- ____ Pulling on electric cords can damage the cord insulation and cause electric sparks. Always remove the cord at the plug.

Key-Electrical Safety-Assessment

Fill in the Blanks

1) What is "Current?" Simply put, current is the **flow** of electric charge, or **electrons**. Just as water flows in a pipe, charged particles flow in a conductor. In electrical terms, "current" describes how many **electrons** flow through a conductor in a given amount of time. Current is measured in **amps**.

Responsibilities Regarding and Using Electrical Equipment- The following practices are to be followed by all employees:

- 8) Follows the Company's electrical safety policies and **procedures** and instructions of responsible Supervisors and the Safety and Health Manager.
- 9) Brings to the attention of the supervisor and/or Health and Safety Branch potential **hazardous** situations such as discrepancies between instruction, procedures, policies and manual, faulty equipment, misapplication of device, etc.
- 10) Electrical equipment known to be malfunctioning must be repaired or **replaced** before use. The repair must be initiated as soon as possible after the malfunction is noted.
- 11) The **user** is responsible for obtaining necessary tools and safety equipment from the designated storage area, checking it for discrepancies, returning it to storage in good condition and identifying any faulty equipment to his/her supervisor.
- 12) **Eye** protection is required during any electronic or electrical hardware repair, installation and/or open front operation.
- 13) Do not use extension cords that are damaged or have cuts in the insulation. Only use extension cords that have a **ground** wire (i. e., **three** pronged).
- 8) Before any maintenance is performed on equipment all sources of electricity shall be **locked-out** and **tagged-out**.
- 9) Except in emergencies, the person who put it on should only do the **removal** of lockout/ tagout devices.

10) A **GFCI** is a fast acting device that monitors the current flow of a circuit. In the event of leakage of 5 milliamps or more, the **GFCI**, in a fraction of a second, shuts off the current to the appliance. **GFCIs** do not stop shock, but limit the duration.

Check all that apply

11) There are three basic ways which shock occurs:

- A person does not use a grounded extension cord
- **A person comes in contact with both wires of an electric circuit**
- **A person comes in contact with a wire from an electric circuit and the ground source**
- **A person comes in contact with a ground source and a metal part that is in contact with a wire from an electric circuit**

12) Minimizing Electrical Hazards- Electrical hazards, while always present at the Company, can be minimized. There are various ways of protecting from electrical hazards. These include:

- **Locking and tagging equipment**
- **Guarding**
- **Grounding**
- **Mechanical devices**
- Working under the influence of alcohol
- **Personal protective equipment**
- **Safe work practices**
- **Safe practices when working with portable equipment**
- **Proper use of electrical cords and plugs**
- **Safe practice when working at heights**

13) Basic electric cord safety practices include:

- **Inspect cords regularly. Look for signs of stretching, insulation damage, and kinking. Don't use if these conditions are evident.**
- **Keep cords and cables clean and free from kinks. Kinking can damage both the cord's insulation and internal wire.**
- Carry a tool by its cord
- **When using tools which require a third wire ground use only three wire extension cords with three- pronged, grounding plugs and three hole electric outlets.**
- Never cut off the grounding plug from a cord unless it's for a short period only
- **Pulling on electric cords can damage the cord insulation and cause electric sparks. Always remove the cord at the plug.**