LESSON 10 – READING – TUTOR'S HANDOUT

Task 1: Read the text and complete the summary below. No more than 2 words.

How to Avoid Shock Hazards

The best way to keep from getting shocked is to stay away from electrical shock hazards. Obviously you should never work on live or energized electrical equipment, not only because it is dangerous, but also because you are not qualified to work on the equipment. Another hazard involves live electrical wires in the wrong place. So if you see wires lying on the ground, do not go near them and tell your supervisor immediately. Since you will often have to work near electric panels, make sure to never open them. Opening the panel increases the chances of getting shocked or setting off an arc flash. Another hazard is water. Although sometimes it may be unavoidable, try to never work in wet areas that are near electrical equipment. Keeping your work area clean and organized can help you spot electrical hazards that you might otherwise miss in a messy work area. If you need to clean a work area that is disorganized and dirty, be very careful so no unseen hazards will hurt you.

The summary

Getting shocked with electricity happens regularly. You should follow some simple rules to get away from it. First of all, you do not work on (1) _____ or energized equipment. It is very dangerous and you are not qualified to work on the equipment. Secondly, you should stay away from electrical (2) _____ on the ground. If you see any strange you should tell your supervisor immediately. Remember that you never open an (3) _____. One more thing, you must avoid working around water or (4) _____. The last one is also very important, always keep your work tidy and (5) _____.

Task 2: Read some safety rules and answer the questions below.

If you don't know how to work with electricity safely, you can injure or kill yourself. Following the seven basic electrical safety tips is very important - after all, you never know who worked on the wiring before you do.

- Electrical shocks can kill , so don't repairs electricity when you're tired or hungry.
- Carefully follow the safety rules
- Double-check to make sure that the equipment is unplugged before you start working work on your device.
- Turn off the circuit breaker or unplug the fuse that provides electricity .
- Read instructions several times until you remember all of them.
- Avoid water when working with power equipment.
- Check that the electric power is still off before you connect the wires together. Remember to match the correct color of the wires

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1, When shouldn't you repair electricity?
2, How many basic electrical safety rules to follow?
3, What do you have to avoid when you work with power equipment?
4, What should you check before you start working on your device?
5, Do we need to connect the right color of the wires.

Task 3: Read the text and complete the summary

Now that you have a good idea about what to look for when you see an arc flash hazard label, let's go through some tips to make sure you continue to work safely around these hazards. Always be on the lookout for hazards, whether they are labeled or not. Assume that all equipment is fully energized with electricity. Do not think that just because someone is working around an electrical hazard that they have de-energized the equipment. Also be aware of any equipment that is locked out or tagged out.

Locking out and tagging out a machine makes sure no one tries to energize a piece of equipment while someone else is working on it. If you see a tag like the one shown in the picture, do not try to remove it. Only the person who locked out the machine has the authority to turn it back on. Also, wear the right clothing to work. PPE will be provided by the employer, but you should wear your own non-melting clothing, work boots, and safety glasses.

The summary

It is difficult to avoid hazards al the time when you are working. So let's learn how to continue to work safely around these hazards. The first and foremost is that you should always look for unlabeled or (1)_____hazards. The next one, you should assume that all equipment is live and (2 _____ Look for lockouts and (3) _____to make sure that a piece of equipment isn't be tried to energize while someone else is working on it. Moreover, you must wear (4) _____ to work, PPE, your own non- melting clothing, work boots, and (5) _____when needed.

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