



## General Laboratory Safety Training Quiz (G\_001)



Name (print): \_\_\_\_\_ Date: \_\_\_\_\_ Score: \_\_\_\_\_

Signature: \_\_\_\_\_ Supervisor: \_\_\_\_\_

Unless otherwise indicated, **circle all answers that apply**. Each question is worth 1 point, passing score is 14 (17 possible). Only hand-written responses are accepted. You may refer to the training presentation slides to answer the questions. Return the completed quiz to **Karen Kiselycznyk** ([kkis@lle.rochester.edu](mailto:kkis@lle.rochester.edu), Rm. 2212).

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1. Who is authorized to **Stop Work** if they perceive an imminent danger?
    - a. Service Technicians
    - b. Everyone
    - c. Shot Directors
    - d. Office Workers

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  2. According to the Occupational Safety and Health Act, who is responsible for keeping the workplace safe?
    - a. Safety Officers
    - b. Supervisors
    - c. The Employer and the Employees
    - d. Students

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  3. If you plan to conduct potentially hazardous activities anywhere within LLE, outside normal business hours (e.g., nights, weekends, and holidays) you must:
    - a. Perform the work using the Buddy System.
    - b. Notify University Security when you enter and exit the building.
    - c. Obtain authorization from your supervisor for the planned activities and work schedule.

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  4. The purpose of “tagging out” an item is to: (**circle one**)
    - a. Alert technicians of its need for repair.
    - b. Prevent operation that could result in injury or equipment damage.

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  5. At LLE, who is authorized to remove a **lock** or **tag** (used for lock-out/tag-out)?
    - a. A watchstander who is following a written procedure, after receiving authorization from the Shot Director on-duty.
    - b. A laboratory supervisor.
    - c. The facility mechanic or electrician who installed the lock (and/or tag).
    - d. An individual who is assigned responsibility by management to correct the deficiency and who has the requisite training and skills.

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  6. Laboratories and work areas having operating lasers can be made more eye safe by:
    - a. Having office space within the lab/work area.
    - b. Using chairs/stools that keep workers’ eyes at least 12” above laser beams.
    - c. Using computer work stations that allow operators to stand.
    - d. Installing barriers that are at least 2” taller than the maximum beam height.

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  7. LLE Receptionists are trained to do which of the following in response to a medical emergency:
    - a. Page the LLE Medical Emergency Response team
    - b. Call UR Security if requested
    - c. Call 911 if requested

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  8. Which of these are likely to cause an accident?
    - a. Using equipment improperly.
    - b. Following procedures carefully.
    - c. Defective equipment (including software).
    - d. Complacency (lack of interest or concern).
    - e. Rushing.
    - f. Maintaining situational awareness.
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9. If someone is injured and you are first on the scene, you should:
- a. Assess the situation - don't put yourself in danger.
  - b. Call for help, solicit help from others.
  - c. If trained, start first-aid using personal protective equipment to prevent contact with body fluids (blood, saliva, etc.).
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10. "Buddies" are responsible for:
- a. Ensuring partner is using safe work practices.
  - b. Training his/her partner.
  - c. Being available to assist in an emergency.
  - d. Remaining in contact with partner.
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11. Before starting work on a piece of equipment, which of these energy sources must be made safe?
- a. Electrical (e.g. circuit breaker, battery backup, capacitors)
  - b. Mechanical (e.g. gas spring on hinged door)
  - c. Thermal (e.g. cryogenic fluids, steam pipe)
  - d. Pressurized gas/fluids (e.g. gas cylinder, hydraulic lift)
  - e. Gravitational loads (e.g. load suspended on a hoist, crane or elevator)
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12. When is it OK to violate clean room policy? (**circle one**)
- a. Never.
  - b. If you are entering only briefly.
  - c. When responding to an emergency.
  - d. When you are in a hurry.
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13. During an emergency building evacuation, you must:
- a. Notify your supervisor or host in writing before leaving LLE property.
  - b. Exit via the most direct, safe route.
  - c. Use the elevators.
  - d. Move 50' from the building and stay clear of emergency vehicles.
  - e. Look for a part of the building that is not in alarm status before exiting.
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14. LLE personnel must ensure that guest workers assigned to them and/or contractors working in areas they supervise are aware of LLE site-specific hazards and that they are adequately supervised.
- a. True
  - b. False
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15. What should be done if a piece of equipment has a known or suspected safety deficiency?
- a. See if it's something you can fix yourself.
  - b. Stop using it immediately.
  - c. Notify the work area supervisor or a Safety Officer to tag out the item and enter it into the out-of-commission (OOC) log.
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16. Who must have UR/LLE ID, or an LLE visitors pass, visible while in the LLE facility?
- a. Contractors.
  - b. LLE staff.
  - c. Visiting researchers & technicians.
  - d. UR Faculty & Students.
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17. Which of these personal items assigned to you by LLE/UR may be shared with others:
- a. Radiation dosimeter badges & rings.
  - b. Keys.
  - c. Computer accounts/passwords.
  - d. None of these.
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**Questions below are not graded.** Those responding "yes" will be notified when training is scheduled, but are NOT obligated to complete the training. A limited number of openings are available in each class.

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Do you want to sign up for Fire Extinguisher Training? [G\_003, optional, offered on-site in fall. ~30 minute instruction includes demonstration and use of extinguisher on simulated fire. Valid 24 months.]

- a. Yes
- b. No

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Do you want to sign up for First Aid Training? [G\_004, optional, American Heart Assn. Basic First Aid certification includes CPR (Cardio Pulmonary resuscitation) and AEDs (Automated External Defibrillator). Valid 24 months. Offered on-site. ~8 hour instruction]

- a. Yes
- b. No

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How can this training material be improved?

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