

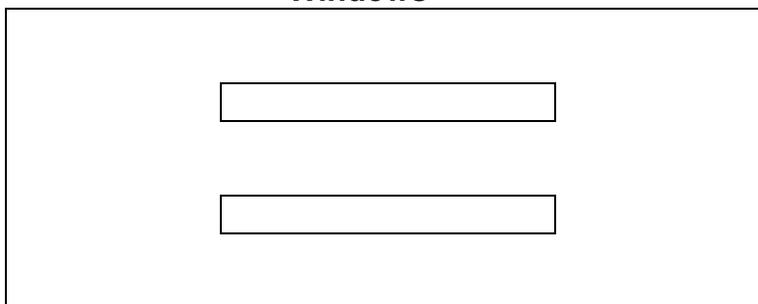


University of Connecticut
Department of Chemistry

LABORATORY SAFETY QUIZ

Name: _____ Course: _____ Section: _____ Date: _____

Windows



Hallway

1. Show on the above diagram, (by placing the number in its proper location), where each of the following items can be found in your laboratory. A number can be used more than once:

- | | | |
|--------------------|-----------------------|--------------------|
| (1.) Exits | (3.) Fume hoods | (5.) First Aid Kit |
| (2.) Safety Shower | (4.) Eyewash Fountain | |

For the following questions, circle the correct answer. Each question has one correct answer.

2. In the laboratory the eyes are the most important part of the body to protect. Protection is achieved by wearing:

- Safety Spectacles
- Prescription eye glasses
- Approved chemical safety goggles

3. In the laboratory it is necessary to wear closed footwear and clothes that fully cover the legs and torso because:

- The temperature in the lab is kept cool to avoid fires
- They will protect you from accidental spills and broken glass
- You need to be ready to evacuate the lab at any time

4. You should never work alone in the laboratory because:

- Accidents can happen at any time
- You need someone to verify your results
- In case you need help with calculations

5. The most common cause of cuts in the laboratory is:

- The chemical waste container
- Broken/defective glassware
- The fume hood sash

6. Treatment for chemical burns and heat burns is:
 - a. Cover with a band-aid
 - b. Rinse under cold water for 15 minutes
 - c. No treatment necessary

7. Three ways that chemical poisons can enter the body are:
 - a. Absorption, inhalation, ingestion
 - b. Assertion, incubation, ingestion
 - c. Inflammation, inhalation, incantation
 - d. Ingestion, digestion, exhalation

8. In the laboratory it is necessary to carefully read all reagent bottle labels before using a reagent because:
 - a. Using the wrong reagent could cause a dangerous reaction
 - b. It would be expensive if everyone used the wrong chemical
 - c. It would cause unnecessary waste in the laboratory
 - d. All of the above

9. SDS stands for:
 - a. Stability Data Statistics
 - b. Suitability Discussion Sheet
 - c. Safety Delivery System
 - d. Safety Data Sheet

10. SDS can be found:
 - a. Online AND in the teaching stockroom
 - b. In the lab manual AND in the main office
 - c. Only in the Teaching Stockroom
 - d. Only in the main office in the main office

11. In the laboratory chemical waste is never disposed of down the drain; it is disposed of in a proper waste container. **Three** requirements of a proper waste container are:
 - a. It is labeled, locked in a cupboard, and it is red.
 - b. It is labeled, in a secondary container, and has a cover.
 - c. It is in a secondary container, near a window, and it is red.

12. If a chemical is accidentally spilled on your clothing you should:
 - a. Remove the contaminated clothing immediately and wash the skin underneath with water for 15 minutes
 - b. Continue with the experiment and remove the contaminated clothing when you get home
 - c. Clean the contaminated clothing with paper towels

13. Broken glassware should be:
 - a. Placed in your locker
 - b. Put in the Broken Glass Container in the lab
 - c. Put in the trash