

## LAB SAFETY CONTRACT

I recognize that an uninformed, unprepared, or merely careless and inconsiderate student in the laboratory hinders the learning process and is a real danger not only to themselves, but to all others as well. In consideration of the safety and expeditious education of my classmates, I agree to abide by all the following regulations, designed to minimize the hazards inherent in laboratory work.

1. Chemical splash safety goggles which meet ANSI Z87.1-1989 standards, and shoes (not sandals) will be worn at all times in the laboratory, regardless of what is being done.
2. No eating, drinking, or smoking is permitted in the laboratory.
3. The locations of safety equipment (fire extinguisher, safety shower, eye-wash fountain, etc.) and their operation will be learned and committed to memory before any laboratory work is undertaken.
4. No unauthorized experiments or modifications of stipulated procedures will be undertaken without the explicit consent of the instructor. This includes straying from the quantities of reagents specified in various operations. Experiments may be performed only at the assigned times.
5. Tasting of chemicals is forbidden and great care will be exercised in noting the odor of fumes. Experiments in which toxic or noxious gases may be liberated will be carried out under the hoods.
6. Proper techniques will be observed for routine laboratory operations (boring corks, inserting only lubricated glass into rubber stoppers, filling pipettes, etc.).
7. Reports of cuts, burns, fume inhalation, etc. will be made immediately to the instructor.
8. Laboratory bench tops, lockers, balances, reagent shelves, and hoods will be kept orderly at all times, and those responsible for spillage will clean up immediately.
9. No experiment may be performed unless the required study preparation has been completed.
10. The student is to be aware that the wearing of shorts or short skirts in the laboratory is a serious hazard due to chemical spillage and are not to be worn in lab.
11. The wearing of contact lenses is prohibited. If you wear contacts, and have no glasses of the correct prescription, you may wear contacts in lab only after signing a contact lenses release form.
12. The penalties for violation of the Safety Agreement in a given lab period are as follows:  
**First Violation during a lab period: Warning.**  
**Second Violation during a lab period: Dismissal from that lab period with a grade of zero for that lab's experiment.**
13. Every student enrolled in this chemistry laboratory must view at least once, the American Chemical Society video entitled Starting with Safety: An Introduction for the Academic Chemistry Laboratory.

I have read, understood, and accept the foregoing as requirements of the course, realizing that failure to adhere strictly to these precautions is sufficient reason for expulsion from the laboratory.

DATE \_\_\_\_\_

FULL SIGNATURE \_\_\_\_\_ Campus Wide I. D. # \_\_\_\_\_

PRINTED NAME \_\_\_\_\_

**Louisiana Tech University  
College of Engineering and Science  
Chemistry Program**

All laboratory activities inherently carry some risk of injury, and certain types of activity are not appropriate for persons with limiting medical/health conditions. Louisiana Tech University recommends that each student or participant be covered by an adequate accident and hospital insurance policy before participating in any program. If a student or participant is injured or has need of medical attention, the University will obtain whatever medical or ambulance service is needed to clear the medical emergency, however, it is understood that the student is responsible for the cost of these services.

I recognize that every activity has a certain degree of risk, some more than others, I knowingly and voluntarily assume the risk of these injuries, regardless of severity, which from time to time occur as a result of participation in laboratory activities.

I will not participate in any activity if I am not in physical condition or if I have not been provided instruction and orientation sufficient for my safe participation.

I am either insured by a licensed provider of accident or health care insurance, or I assume personal risk of not being insured.

I hereby release Louisiana Tech University, the University of Louisiana System, State of Louisiana, all State Departments, Agencies, Boards and Commissions, and their respective officers, employees, agents, or representatives from any and all liability, claims, cost, expenses, injuries, illness, or loss resulting from, in whole or part, including attorney fees, for my participation in the Louisiana Tech University activity shown above.

I the undersigned, am at least eighteen (18) years of age and have read this release form and understand all its terms. If I, the undersigned, am under the age of eighteen (18) years, in addition to my signature, my parent or legal guardian also shall state having read, signed, and understood this release form and all its terms.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Participant Signature (over 18 years of age)

\_\_\_\_\_  
Date

\_\_\_\_\_  
Parent or Guardian Signature  
(only if participant is less than 18)

Campus Wide I. D. # \_\_\_\_\_

## CONTACT LENS RELEASE FORM

1. I realize and fully understand that the wearing of contact lenses in the laboratory is against the safety policy.
2. I also understand that wearing contact lenses during laboratory work is an added risk to eye safety.
3. Prescription glasses, that can be used in place of contact lenses, are not available.
4. Therefore, I release my laboratory instructors, laboratory coordinator, the Chemistry Department, and Louisiana Tech University from **any** responsibility in the event of injury in any way to my wearing contact lenses in the laboratory.

Student Name: \_\_\_\_\_

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

Campus Wide I. D. #: \_\_\_\_\_

Date: \_\_\_\_\_

### Chemistry Laboratory Safety Quiz

STUDENT'S NAME	CHEMISTRY (circle) 103   104   122	SECTION
STUDENT'S SIGNATURE	QUARTER (circle) F   W   Sp   Su	DATE
Campus Wide I. D. #	LAB INSTRUCTOR'S NAME	

1. Label the sketch of your laboratory showing the location of:

**A** - Fire Extinguisher    **B** - Safety Shower

**C** - Eye Wash              **D** - Fire Blanket

H  
A  
L  
L  
W  
A  
Y

W  
I  
N  
D  
O  
W  
S

\_\_\_2. Under what circumstances should eye protection be worn in lab?

- (a) Only when working with acids.
- (b) Only when contacts are worn.
- (c) Eye protection must be worn at all times.

\_\_\_3. Which of the following is not acceptable regarding clothing in the lab?

- (a) Lab apron or coat.
- (b) Sandals or any open toe shoes.
- (c) Safety goggles.

\_\_\_4. What actions should be taken if someone is splashed with a chemical?

- (a) The person should immediately notify the instructor and wash the affected area with a large amount of water.
- (b) Forget it unless it is burning.
- (c) Rub the area with a dry towel.

\_\_\_5. What should be done if a chemical gets into someone's eyes?

- (a) Nothing unless it is burning.
- (b) This will never happen; the student will be wearing goggles.
- (c) Assist the person to the eye wash, hold their eyes open, flush them with water for 15 minutes, and notify the instructor.

\_\_\_6. What type of laboratory accidents do not need to be reported?

- (a) Very minor ones.
- (b) Accidents that are embarrassing.
- (c) All accidents, no matter how minor, must be reported immediately.

\_\_\_7. Which of the following are not allowed in lab?

- (a) Use of tobacco, eating, or drinking.
- (b) Working outside scheduled periods.
- (c) The wearing of contact lenses.
- (d) Experiments that are not specifically assigned.
- (e) Horse play or practical jokes.
- (f) None of the above are allowed in lab.

\_\_\_8. What should you do if a chemical or water is spilled?

- (a) Leave it for the assistant.
- (b) Hide it from the instructor.
- (c) Report it immediately and then follow the instructor's instruction for cleaning the spill up.

\_\_\_9. When is the lighting of an open flame allowed in lab?

- (a) Anytime.
- (b) Anytime safety goggles are worn.
- (c) Only when specifically instructed to.

\_\_\_10. In the event that the building should be evacuated, what route should you take?

- (a) Out the door, south down the hall, and out the southwest exit.
- (b) Out the door, north down the hall, and out the northwest exit.

\_\_\_11. What is your escape route if the primary route is blocked?

- (a) Out the door, south down the hall, and out the southwest exit.
- (b) Out the door, north down the hall, and out the northwest exit.