

Laboratory Safety Rules

- 1. Follow directions precisely and completely.**
The directions have been carefully designed to avoid accidents. Your instructor will point out hazards before you begin so pay attention!
- 2. Safety Goggles**
Goggles with side splash guards are required by law and are available at the college bookstore. Safety glasses are not permitted.
- 3. Clothing/Long Hair**
Students must wear proper clothing in the laboratory. Sandals and shorts should not be worn on lab days. Long hair should be tied up in a band. Wear **OLD** clothing in the laboratory.
- 4. Place bags, purses, coats, etc... on the shelves near the door.**
- 5. Never smoke or eat in the laboratory. No food is allowed in lab.**
- 6. Use waste containers provided by your instructor.**
Make sure you read the labels on waste containers and notify the instructor when the containers are full.
- 7. Excess chemicals should never be returned to the reagent containers.**
The entire supply might become contaminated. Instead, give your excess to other students or put them in the waste containers.
- 8. Broken Glass**
Dispose of broken glass in the blue and white cardboard boxes provided in the laboratory. **Do not** place broken glass into the trash can. Use a dustpan and brush provided – do not use your fingers to pick up the glass.
- 9. Know the location and the use of the first aid kit, fire extinguishers, the emergency shower and the eye wash in case of emergencies.**
- 10. Keep the benchtop clean and dry at all times.** Clean with soap and water at the end of the period.
- 11. Do not look down into a test tube! Angle test tubes away from people as you heat them.**
Keep your face away from any chemicals being heated in open apparatuses. The tubes may erupt like geysers, so point them away from people.

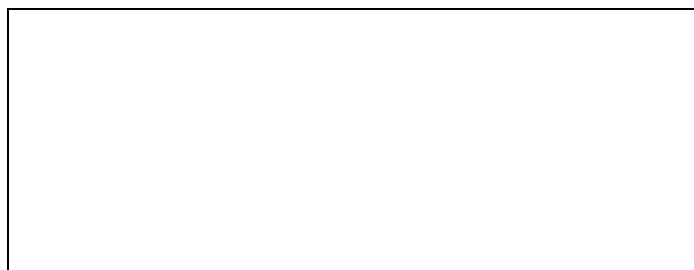
- 12. Sniff!! Do not inhale!!**
When attempting to detect chemical odors, sniff gently. Most chemical vapors are at least irritating if not toxic.
- 13. Do not pick up hot objects.**
Let items cool or use oven mitts/tongs to move hot items.
- 14. Always pour concentrated acids into water carefully.**
Any concentrated reagent should be handled with care. Always pour concentrated sulfuric acid into water down the side of the container. Never pour water into concentrated sulfuric acid.
- 15. Wash it off with water!**
If any chemical is splashed on you, wash it off with PLENTY of water. Then report to the instructor, if further treatment is needed.
- 16. Always wash your hands before leaving lab.**
- 17. Mercury vapors are poisonous**
If some mercury is spilled (like by breaking a thermometer), it must be picked up immediately and properly disposed of. Notify the instructor.
- 18. Do not perform unauthorized experiments.**
One of the common sources of accidents is the performance of experiments that have not been explicitly assigned or approved by the instructor.
- 19. When in doubt, ask your instructor.**
Your instructor is in the laboratory to answer any questions that come up in the course of the quarter's work.
- 20. Emergency**
In case of an accident, notify your instructor immediately.

**The phone number for security is 425-564-2400
(Extension 2400 from any campus phone.)**

Name _____

Laboratory Safety Worksheet

1. Sketch the floor plan of the laboratory . Indicate the locations of exits, eyewash, ventilation hoods, fire extinguisher, first aid kit, and safety shower.



2. What are the laboratory rules about safety goggles?
3. If you take too much of a chemical when working, what are you supposed to do with the excess?
4. Should you pick up broken glass with your fingers? Does the broken glass go in the trash can? If not, where does it go?
5. What precautions should be taken to prevent staining or damaging your clothing in the laboratory?
6. What is the correct way to dispose of chemicals at the end of the laboratory period?
7. Why should you wash your hands before leaving lab?

I have read and will comply with all stated laboratory safety rules.

Signature _____ **Section** _____ **Date** _____