

# Laboratory Safety Rules

1. **No food or drinks in the lab!!!**
2. **Follow directions exactly and completely.** The directions have been carefully designed to avoid all accidents. Deviation from these directions in many cases will cause injury to you or your neighbor.
3. **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.
4. **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.
5. **Use the hood for evaporation of anything other than water.** Most other vapors are either corrosive, flammable or toxic and should not be allowed to escape into the room.
6. **Know the location and the use of fire extinguishers, fire blankets, emergency shower and of the eye wash.**
7. **Keep desk top clean and dry at all times.** It is impossible to distinguish, by casual inspection, water from corrosive chemicals.
8. **Glass tubing and stoppers.** More accidents result from careless insertion of glass tubing through a stopper than from any other operation. If you need to use glass tubing through a stopper, ask your instructor for assistance.
9. **Do not look down into a test tube!** Keep your face away from any chemicals being heated in open apparatus. Also be careful not to point any such open apparatus toward anyone else.
10. **Sniff!! Do not inhale!!** When attempting to detect chemical odors, sniff gently. Most chemical vapors are at least irritating if not toxic.
11. **Do not pick up hot objects!** Be sure all apparatus is cool before picking it up with your fingers.

12. **Always pour concentrated acids into water carefully.** Always pour concentrated sulfuric acid into water down the side of the container. Never pour water into concentrated sulfuric acid.
13. **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.
14. **First Aid** Know the location of the first-aid kit. Report accidents to the instructor.
15. **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.
16. **Safety Goggles** Wear approved eye protection in the laboratory as directed by the instructor. This means eye covering which will protect both against impact and splashes. Goggles are available at the college bookstore.
17. **Pipetting** Use a suction bulb with pipettes. Do not use mouth suction when filling pipettes with chemical reagents.
18. **Never work in the laboratory alone or without the instructor.**
19. **Dispose of waste and excess materials in the manner prescribed by the instructor.** Never return chemicals to the original reagent containers because of the possibility that the entire supply might become contaminated.
20. **Broken Glass** Dispose of broken glass in the box provided in the laboratory. Do not place broken glass into the trash can.
21. **Visitors** Instructor's approval is required for bringing visitors to class. In most instances, visitors will not be allowed. The above rules apply to all guests and visitors in the laboratory.
22. **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.)**