

LAB SAFETY RULES

1. Always wear the following in the lab:
 - chemical splash goggles (over prescription glasses)
 - apron
 - pants or skirts that extend to below the knee
 - shoes that completely cover the feet
 - clothing made of natural fibers
2. Never wear the following in the lab:
 - loose or bulky clothing
 - jewelry, especially dangling necklaces or bracelets
 - open-toed shoes or sandals
 - short pants or skirts
 - contact lenses if prescription glasses are available; otherwise, inform your instructor that you are wearing contacts
3. Never eat or drink in the lab. All forms of tobacco are strictly prohibited.
4. Always follow directions to the letter. Never conduct unauthorized experiments or engage in horseplay.
5. Always know the location and use of
 - safety shower
 - fire blanket
 - fume hood
 - telephone
 - eye wash
 - fire extinguisher
 - broken glass container
6. Always inspect glassware for cracks or stars. Glassware with cracks or stars should never be used. In case of broken glass, never touch with bare hands. Sweep up all pieces with a broom and dustpan and place them in the broken glass container, never in the trash.
7. Never work alone in the lab.
8. Always report injuries, accidents, or breakage -- no matter how small -- to the instructor.
9. Never place solids in the sink. Some waste liquids may be deposited in the sink but only if specifically told to do so by your instructor. Otherwise, dispose of all waste as instructed.
10. Never touch, taste, or smell chemicals. If you accidentally touch any liquid or solid chemical, inform your instructor immediately. Most substances, except concentrated acids, can be safely washed away with water within a few seconds

- without any ill effects. However, concentrated acids should be wiped off with a paper towel before rinsing with water.
11. If ever called upon to note the odor of a chemical, always use the "wafting" technique demonstrated by your instructor.
 12. Never enter the lab storage rooms. Never open cabinets or drawers without permission.
 13. When applying heat,
 - never heat a closed container
 - never heat glassware which is not intended to be heated (Glassware that is intended to withstand direct heat is usually labeled "Pyrex" or "Kimax." Other forms of glass will shatter if heated)
 - always direct the open mouth of heated vessels, such as a test tube, away from yourself and others
 - when heating substances in a test tube, always heat solids from the top down, and liquids from the bottom up
 - never heat glassware to dryness, which can cause it to break (Other materials, such as porcelain, are used for this purpose)
 - never apply heat directly to a thermometer (this will damage all types of thermometers and alcohol thermometers will explode if heated directly)
 14. Always add acids-to water (the "AAA" rule), never vice versa.
 15. Never play with the burner strikers.
 16. Always remain at your lab station unless you are moving to collect or return materials for the experiment.
 17. Never remove anything from the lab without permission.
 18. Always wash your hands just before leaving the lab.
 19. Your instructor is the boss. The boss isn't always right, but he is always the boss.

I, _____ (print name) have read, understand, and will comply with all of the above lab safety rules. I understand that failure to do so may result in my removal from the lab and loss of credit for all work missed as a result.

_____ (student signature)

_____ (date)