Laboratory Safety Rules

Your instructor will cover the safety rules that are listed below. It is your responsibility to contact the instructor/supervisor if you need further clarification of any of the points.

A. The following must be worn in the laboratory AT ALL TIMES:
   1. Shoes that completely cover the feet (NO OPEN TOED SHOES, SANDALS OR FLIP-FLOPS)
   2. Appropriate clothing for lab work (ACS recommends no shorts in the lab)
   3. Eye Protection/Safety Goggles of an approved type

B. To avoid possible contamination by chemicals in the lab:
   1. NO FOOD OR DRINK IS ALLOWED IN THE LABORATORY!
   2. Do not sit on or lean on the lab benches
   3. Do not place unnecessary items on the lab benches
   4. Store your books and book bags in the designated areas in the lab

C. Good housekeeping is essential to both safety and good results. Therefore:
   1. Clean up should follow the completion of any experiment.
   2. Clean up any spills properly
   3. Clean up the balance area after use
   4. The lab should look no different from when you entered to when you leave

D. Observe caution when testing the odor of a chemical

E. Tasting of any of the chemicals in the laboratory is prohibited

F. NO UNAUTHORIZED EXPERIMENTS!

G. Treat all chemicals with respect
   1. Always read the label on the reagent bottle before use to verify its identity and concentration.
   2. DO NOT return unused chemicals to the stock bottle.
   3. DO NOT use the same spatula for multiple chemicals.
   4. Take only the amount of chemical that you need for the experiment.
   5. Cap the bottle when you are done using the chemical.

H. Dispose of chemical wastes as directed by your instructor.

I. Wash your hands thoroughly before leaving the laboratory.

J. The Chemistry Department at Luther College makes every effort to minimize the dangers of chemical exposure to all of our students in our lab classes through careful design of experiments and requiring proper lab procedures. NO LIST OF CHEMICALS IS COMPLETE. If you have any health concerns, including but not limited to things like food allergies or pregnancy, we recommend that you bring them to your instructor’s attention immediately.

K. Note the location of the following items in the lab:
   • Safety Shower
   • Eye Wash Station
   • Drench Hoses
   • Fire Extinguisher(s)
   • Bag/Coat Storage
   • Safety Sorbent
   • Absorbent Pillows
   • Lab Aprons
   • Nitrile Gloves
   • Emergency electrical and gas shut off
   • Goggle Cleaning Solution
   • DI Water Faucets
   • Broken Glass Container

If you understand all of the safety guidelines presented above AND in the points covered on the safety quiz, please sign the appropriate spot on the check-in sheet as it is passed around the lab.

STUDENT NAME:_________________________. SIGNATURE_________________________. DATE_____________