

Full Name (printed): _____

Safety Contract – Chemistry

To ensure that a safe and healthful environment is maintained in the classroom, all students must read and follow the safety regulations listed below. To indicate that you have read and understand the safety regulations, you are asked to sign and date this list upon completion of this important task.

1. **Proper Preparation.** You should prepare for each laboratory lesson by reading all instructions before you come to class. Follow all directions and review with your instructor the safety precautions needed to conduct the experiment safely before you begin. Only materials and equipment authorized by your instructor should be used.
2. **Goggles.** Safety goggles must be worn during lab UNLESS otherwise noted. They must be **ANSI standard Z87.7**. The goggles you wear must have complete coverage around the eyes. **CONTACTS should not** be worn during labs because chemical fumes can get between them and the eye, causing problems. Our goggles can be worn over glasses however.
3. **Skin and Eye Safety.** If you get chemicals on the skin or in the eyes, you must wash for fifteen minutes. Eye lids must be forced open the entire time. Locate the eye wash station and safety shower before beginning a lab. Note the evacuation plan in case of fire or other emergency evacuation.
4. **Handling Equipment and Chemicals.** Carry all equipment with two hands and be aware to not bump into others. Never pour chemicals back into their original stock container. Always pour Acid into Water (A to W). This is so you have control over the dangerous substance and if the pouring results in overflow, it is mostly water.
5. **Dress.** Your apparel should be appropriate for laboratory work. Long hanging necklaces, heavy jewelry, and excessive and bulky clothing should not be worn in the laboratory. Cotton clothing is preferred over nylon, polyester, or wool. Long hair should be tied to prevent coming in contact with open flames or chemicals.
6. **Reduce Clutter.** Only lab manuals and lab notebooks are permitted in the working areas. Books, purses, and such items should be left at your desk. Still, be aware of your lab book around open flame.
7. **No food or beverage** is permitted in the classroom and NEVER eat anything in the lab, regardless of how appetizing it may look.
8. **Fire Danger:** Be careful with Bunsen burners. Keep your head and clothing away from the flame and turn off the Bunsen burner when it is not in use. A fire needs fuel, heat, and oxygen involved in a chemical reaction at the same time. Taking away one will extinguish the fire. Before working, always locate the fire extinguisher and rescue blanket before conducting an experiment.
9. **Fumes:** Do not smell a chemical directly. Waft or fan the chemical's fumes to note the odor don't sniff violently next to the chemical. Thanks!
10. **Chemical Disposal.** Be aware of procedures for proper disposal of chemicals. Look out for a waste container. If you're not sure if items should be washed down the drain, ask before doing so!
11. **Clean up.** You should wipe down your station BEFORE (to make sure) and AFTER you are done. All equipment that you used during the experiment should be cleaned and returned to the appropriate storage area. All electrical equipment should be unplugged. Be extra careful with hot plates.
12. **Hands should be washed** thoroughly with soap at the conclusion of each laboratory period.
13. **Hazardous Chemical Signs.** Everyone should recognize and heed all safety symbols and cautions incorporated in the procedures of the laboratory experiments.
14. **Accident reporting.** If there is broken glass, or any other accident, let the instructor know immediately.
15. NEVER WORK ALONE IN THE LABORATORY.