

Safety Instructions (Student Signed Copy)

To avoid injury to yourself and to fellow students you are required to read, understand, and sign this agreement. Failure to comply with the following rules whilst performing laboratory experiments may result in suspension or expulsion from this laboratory course.

1. If you have a medical condition that may affect your performance or safety in the laboratory you should discuss it in private with your instructor. This information will be held in strict confidence. If you prefer, you may contact your physician and/or the Office for Disability Services directly, and we will provide them with any information they may need to assist you.

2. YOU MUST WEAR SAFETY GOGGLES AT ALL TIMES WHILE IN THE LABORATORY. It is a legal requirement of the Commonwealth of Pennsylvania that eye protection be worn in university teaching and research laboratories. Eye protection must meet or exceed the American National Standards Institute ANSI Z87.1-2003 Splash Goggles standard. Safety glasses are not acceptable. The goggles must be worn at all times within the lab space. **NO CONTACT LENSES** are to be worn in the laboratory.

There are NO exceptions to this requirement, and failure to comply with this requirement will result in the student being dropped from the laboratory.

3. OPEN SHOES OR SANDALS CANNOT BE WORN IN THE LABORATORY. Failure to comply with this rule will result in your dismissal from the laboratory for the day.

4. YOU MUST WEAR A LAB COAT AT ALL TIMES IN THE LABORATORY. In order to minimize the possibility of burns you are required to wear a full-length lab coat.

5. In case of accident, spill or emergency, **NOTIFY THE INSTRUCTOR IMMEDIATELY.** Note the location of eye washes and safety showers for when needed.

6. Eye injuries must always be considered serious. The best **procedure IN CASE OF CHEMICAL INJURY TO THE EYE IS IMMEDIATE PROLONGED CONTINUOUS FLUSHING WITH WATER** (20 mins) at an eye fountain. Eyes must be forced open to be washed well.

7. Cracked or chipped glassware should be discarded in the waste bins marked 'Broken Glass Only'.

8. Do not touch any chemical with your fingers. Use a scoopula to transfer solids and wear gloves when needed. **FLUSH WITH WATER ANY PART OF YOUR BODY THAT COMES INTO CONTACT WITH A CHEMICAL USED IN THIS LABORATORY.** Rapid and immediate treatment is essential. **USE LOTS OF WATER.** Clothing must be removed immediately.

9. For treatment of any accident you must go to Sewickley Valley Hospital. Transportation will be provided if needed by calling Campus Police (2424). You and the instructor must file an accident report within 24 hours.

10. All medical claims are the responsibility of the student. Due to the potentially dangerous nature of laboratory work **INSURANCE COVERAGE** is strongly encouraged.

11. NEVER EAT OR DRINK IN THE LABORATORY.

12. Exercise care in noting the odor of fumes and **AVOID BREATHING FUMES OF ANY KIND.** Use fume hoods when necessary.

13. Never force glass tubing into stoppers. Always use a lubricant and protect your hands with a towel.

14. Long hair must be confined securely to minimize hazard.

15. **DO NOT RUN** in the laboratory. Do not engage in activities or behavior that might confuse, startle or distract another student.

16. DO NOT PUT BACK ANY CHEMICAL, SOLID OR LIQUID, INTO THE REAGENT BOTTLES from which they were obtained. This will contaminate the supply.

17. **REPLACE STOPPERS**, lids, covers, etc. on their containers immediately after use.

18. Never remove chemicals from the laboratory.

19. **BE CAUTIOUS:** assume all chemicals to be toxic, and all organic liquids to be flammable.

20. Clean spills immediately. Check with your instructor for the proper procedure.

21. Ask your instructor about the disposal of used chemicals. All waste chemicals must be placed in containers labeled specifically for each waste material.

22. **SHOULD A FIRE ALARM SOUND** while you are in the laboratory, turn off any Bunsen burner or hot plate, remove any reaction from any heat source, and leave the building by the nearest exit.

23. No unauthorized experiments are permitted.

24. Always leave your work area clean at the end of each lab.

25. **WASH YOUR HANDS WHEN YOU ARE FINISHED.** It is a good idea to wash your hands whenever they have been in contact with chemicals, not just at the end of the session.

My signature below indicates that I have read the above rules, have been informed of these rules by my instructor, and that I will observe and abide by these rules. I recognize that it is my responsibility to obey them faithfully.

Student's Signature: _____

Printed Name: _____ Date: _____