

# SAFETY CONTRACT: CHEMISTRY

## STANDARD SAFETY PROCEDURES

1. Responsible behavior is essential. The dangers of spilled acids and chemicals and broken glassware created by thoughtless actions are too great to be tolerated. You are financially responsible for any missing, broken or damaged equipment, glassware and samples.
2. You are responsible for the safety of every individual in the lab just as they are responsible for your safety. **Never allow anyone to be placed at risk.**
3. Study laboratory procedure prior to class.
4. **Never** perform unauthorized experiments
5. **Never** taste or "sniff" chemicals.
6. **Never** draw materials in a pipet with your mouth.
7. Keep combustibles away from open flames. (e.g. acetone, alcohol, and carbon disulfide)
8. Consult instructor for proper disposal of **ALL** chemicals, solids and broken glass.
9. When heating substance in a test tube, point opening away from people.
10. Use caution when handling hot glassware. *Hot glass looks the same as cold glass.*
11. Know the correct procedure for mixing acid solutions. **Always** add acid slowly to water.
12. Handle chemicals carefully. *Check the label of all bottles before removing contents. Never mix caps or stoppers. Never return unused chemicals to reagent bottles.*
13. Always keep your lab bench and work area organized and free of clutter.
14. Use glycerine and slow twisting action when inserting glass tubing through stoppers.
15. *Think* about what you are doing. Plan ahead. Do not "cookbook." If you give no thought to what you are doing, you are setting yourself up for an accident.
16. ALWAYS wash hands thoroughly prior to leaving the laboratory.
17. ALWAYS clean your lab area completely before leaving the laboratory.

## PROCEDURES IN THE EVENT OF AN ACCIDENT

1. Use the safety equipment provided for you. Know the location of the fire extinguisher, safety shower- eye wash, fire blanket and first aid kit.
2. Report all accidents **immediately**.
3. Report all chemical spills **immediately**.
4. Smother fires with the fire blanket or sand in lab containers.
5. Place broken glass in designated containers.

## DRESSING FOR LABORATORY

1. **SAFETY GOGGLES SHALL BE WORN DURING ALL LABORATORY SESSIONS.**
2. Long hair **must be tied back**.
3. Avoid wearing clothing with loose sleeves as they may catch fire, roll up long sleeves.
4. Lab aprons are available and may be required for specific laboratory activities.
5. Wear shoes with tops, sandals or open-toed shoes are NEVER allowed in the lab area.
6. Wear gloves when handling chemicals when the instructor recommends this.

*Detach and Return*

I HAVE READ, UNDERSTOOD AND AGREE TO ABIDE BY THE SAFETY PROCEDURES SPECIFIED IN THE SAFETY CONTRACT ABOVE.

STUDENT NAME: \_\_\_\_\_ COURSE: \_\_\_\_\_ PERIOD: \_\_\_\_\_

STUDENT SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

*I have discussed the importance of appropriate and responsible laboratory behavior and have reviewed the above rules to ensure the safety of my student and the safety of others in the laboratory.*

SIGNATURE OF PARENT OR GUARDIAN: \_\_\_\_\_