

## CHEMISTRY LAB SAFETY CONTRACT

**Science is a hands-on laboratory class. You will be doing laboratories which may require the use of hazardous chemicals. Safety is the number one issue in science class! Therefore students must be knowledgeable in safety precautions. This contract must be signed by the students and parent/guardian in order to participate in the laboratory.**

### **GENERAL RULES:**

1. Follow written procedures carefully. If you do not understand ask the teacher for clarification.
2. NEVER work alone in the lab.
3. When you enter a science classroom, do not touch any of the materials until the teacher gives the okay.
4. No food, beverages, or gum allowed in class at any time.
5. Conduct the experiment provided in the procedure. Do not create your own laboratory experiment.
6. Be prepared for lab days by reading procedures before entering class.
7. Keep your lab stations clean. Once you have completed your lab, please leave the lab area cleaner than when you found it.
8. Shouting, throwing objects, or any form of fooling around/horseplay in a lab will not be tolerated.
9. Know where and how to use the fire extinguisher, eye wash, and fire blankets. Know where the first aid kit is located in case of emergencies.
10. Be alert and notify the teacher immediately if there are any unsafe conditions.
11. Read the labels of chemicals carefully before use. All chemicals in a lab must be clearly labeled.
12. Keep hands away from your eyes, nose, and mouth when using chemicals. Make sure to wash your hands after the lab is complete.
13. Know what to do if there is a fire drill during the laboratory. Turn off all gas and electrical equipment.
14. Do not leave experiments unattended at any time!

### **CLOTHING:**

15. Goggles must be worn at all times during the laboratory. **NO EXCEPTIONS!**
16. Wear a lab apron throughout the lab activity.
17. Dress properly for lab days. Long hair must be put up, no dangling jewelry, no baggy clothes. No open-toed shoes. No shorts or skirts are permitted.
18. Contact lenses should not be worn during lab activities.

### **ACCIDENTS AND INJURIES:**

19. Report any spills immediately to the teacher no matter how trivial it may seem.
20. If a chemical should splash into your eyes or on your skin, make sure to rinse thoroughly with water at least 10-15 minutes. Notify the teacher immediately.

### **HANDLING CHEMICALS:**

21. All chemicals should be considered dangerous and used with extreme caution.
22. **Never** return used chemicals into their original containers.
23. Handle all flammable liquids with extreme care. Do not dispose of them near a flame or potential spark.
24. Acids must be handled with extreme care. **Always add acid to water (never the reverse!)**, swirl or stir solution, and be careful of the heat produced.
25. Never cap or stopper a vessel being heated.
26. Never smell fumes directly. Waft the fumes gently with your hand toward your nose when you need to note the odor of a substance.
27. Take great care when transferring chemicals from one part of the lab to another.
28. Know the proper way to dispose of chemicals. Do not just haphazardly put them down the drain.
29. All broken glassware should be disposed of in the appropriate disposal box.
30. Carry out all experiments involving irritating gases in a fume hood.

### **HANDLING GLASSWARE AND EQUIPMENT:**

31. Do not remove chemicals from the laboratory area.
32. Carry all glass tubing vertically, to minimize the chance of breaking it.
33. When removing an electrical plug from a socket, make sure to grasp the plug and not the cord.
34. Inspect all glassware before using it in the lab. Look for chipped or cracked glassware. If you find that your glassware is broken, do not use, and notify the teacher.
35. If you do not understand how to use a piece of laboratory equipment, ask the teacher for help.

### **HEATING SUBSTANCES:**

36. Never look into a container that is being heated.
37. Never leave a lit burner or anything that is visibly reacting unattended. Always turn the burner or hot plate off when not in use.
38. Remember that hot glassware looks the same as cold glassware. If you're ever in doubt, use tongs or a heat mitt to pick up a piece of glassware.

**THIS SHEET MUST BE SIGNED BY THE STUDENT AND PARENT AND RETURNED TO ME. STUDENTS WILL NOT PARTICIPATE IN LABS UNTIL THIS SIGNED SHEET IS TURNED IN.**

I, \_\_\_\_\_ (print student name), have read and agree to the safety rules set forth in the chemistry safety contract. I realize that I must obey these rules in order to insure my own safety, as well as the safety of others. I am aware that any violation of the contract will result in removal from the laboratory, loss of credit for the lab, and possible referral to the Administration.

Student Signature \_\_\_\_\_ Date: \_\_\_\_\_

Parent/Guardian Signature \_\_\_\_\_ Date: \_\_\_\_\_