

Safety Contract



Number one is: Safety! Science is a hands-on laboratory class. You will be doing laboratory activities which require the use of dangerous materials. To ensure a safe experience for all, the following rules must be followed at all times. Two copies of this contract are being provided. One is for you and one of your guardians to sign before you may participate in the laboratory. The other is to go into your science notebook as a constant reminder of the safety rules.

1. Absolutely NO HORSEPLAY! Conduct yourself in a responsible manner at all times.
2. Where is the safety equipment for the laboratory? Know the location of all safety and emergency equipment (such as fire extinguishers, first aid kit, eyewash, fire blanket, fire alarm etc.), and know how to operate this equipment.
3. Know the fire-evacuation route for the lab.
4. When you enter the room, do not touch any equipment or chemicals until you are instructed to.
5. Before you begin an experiment, read procedures, review the supplies you will be using and any safety issues you should be concerned about.
6. Use lab equipment only in the manner demonstrated.
7. Only perform authorized experiments.
8. Hot and cold glass look the same. Be cautious.
9. Never eat or drink while in the laboratory—and never eat your science experiments!
10. Keep aisles clear—push in chairs, don't wander around (remain at your station unless absolutely necessary), make sure your personal items are not anywhere people will trip over them.
11. Experiments must be personally monitored at all times and do not interfere with others' experiments.
12. Sometimes sharp objects such as scissors, scalpels, and probes are needed in the laboratory. Always exercise extreme caution when using a sharp object in the lab. Carry with tips pointing downward and only by the handles. Always cut away from your body.
13. Never cut an object toward you or while holding it in your hand.
14. Never use glassware that is chipped or cracked and never handle broken glassware with bare hands. Always dispose of broken glassware in the designated glass disposal container.
15. Use caution with electrical equipment. Make sure that equipment cords are not located where someone could trip over them and when unplugging cords, be sure to pull it by the plug and not the cord.
16. Hands must be dry before touching electrical plugs/outlets.
17. Never touch, taste, or smell a chemical unless your teacher specifically instructs you to do so. All chemicals will be considered dangerous!
18. Take only as much of a chemical as you need for your experiment.
19. Always use caution when working with a chemical or a chemical solution. Some chemicals are corrosive, some are poisonous, some are flammable, and others that seem harmless could become hazardous when combined with another chemical.
20. When mixing chemicals and water always add acid (or base) to water and never the opposite.
21. Any living or biologically preserved organisms are to be handled with care, treated with respect, and disposed of properly.
22. Living plants and animals should also be handled carefully in the laboratory. **Do not harm any classroom plants or animals!**
23. **Never** squirt anyone with a pipette! You do not know what chemicals have been used in it before.
24. **Never** use mouth suction to fill a pipette always use a pipette bulb.
25. Clean up!!!! When you have completed an experiment, clean up your area (including work surface) and return all **cleaned** equipment to its proper place.
26. Never take anything from the laboratory without permission from your teacher.
27. Dispose of wastes per instructions and never place extra chemicals back into the original containers—this will contaminate the rest of the chemical.
28. Students are not permitted in science storage or preparation rooms.

29. If there is a fire drill or other drill during a laboratory experiment, be sure to close all containers and place them carefully into a sink where they can't be knocked over, turn off gas valves, and turn off any electrical equipment.
30. Any time that chemicals are used in the laboratory, no matter how dangerous, goggles must be worn.
31. Dress properly in the lab: Hair must be tied back, dangling jewelry and baggy clothing must be secured. Shoes must completely cover the foot.
32. Check labels on chemicals twice before removing any of the contents.
33. Report any accident (spill, breakage, etc.) or injuries immediately.
34. In the event of a fire, alert the teacher. If small, the fire extinguisher (by the classroom door) or fire blanket (by the greenhouse door) should be used to put it out. If large, leave the laboratory immediately and pull the nearest fire alarm.
35. If your clothing catches on fire—Stop -Drop-Roll! Stop immediately, drop to the floor, and roll. This is the quickest way to smother a fire.
36. If your lab partner's clothes catch on fire, grab the nearest fire blanket (by the classroom door) and use it to extinguish the flames; inform your teacher.
37. If a chemical is spilled, keep your classmates away from the area, and alert your teacher immediately.
38. Never reach over an open flame.
39. Do not point the open end of a test tube being heated toward yourself or others.
40. Do not look down into a container being heated.
41. Always turn off burners, hot plates, DNA light boxes, and microscopes when not in use.
42. If a chemical gets into your eyes, have your partner lead you to the eyewash station (at teacher lab desk) and begin flushing water to the eyes immediately, as you proceed to the eyewash, notify the teacher. Continue flushing eyes for 20 minutes.
43. Never work in a laboratory without the teacher or other trained science teacher present.
44. Never dispense flammable liquids near an open flame or source of heat.
45. Work areas should be kept tidy. Have only lab instructions and materials in the work area. Other materials should be stored out of the way where they will not be in the way of your experiment.
46. Take great care when transporting materials and chemicals from one part of the laboratory to another. Hold them securely and walk carefully.
47. Keep hands away from face (especially eyes and mouth) while using chemicals and until you wash your hands.
48. Always be alert in the laboratory. Notify teacher of any unsafe conditions you observe or damaged equipment.
49. If you have any medical conditions (allergy, pregnancy, seizures, etc.) that may interfere with your safe completion of laboratory activities, inform the teacher.
50. If you or your lab partner are injured, immediately yell out "CODE ONE; CODE ONE!" to get the attention of the teacher and so your classmates can clear out of your way so you can get to safety equipment.

Personal safety questions:

Do you wear contact lenses? Yes No

Do you have a history of seizures? Yes No

Are you color blind? Yes No If yes, to what colors? _____

Do you have allergies? Yes No If yes, to what? _____

Agreement:

I, _____ have read and agree to follow all of the safety rules. I will follow these rules to maintain a safe lab environment. I will also follow any oral and written instructions for labs and use of materials provided by my teacher. I also understand that misbehavior or horseplay and refusal to comply with rules and directions will result in removal from the laboratory, detention, and/or writing of a safety essay or safety test.

Student Signature: _____

Date: _____

Parent/Guardian: _____

(Signature is acknowledgement of the safety rules and that you will instruct your student to follow and uphold these rules and procedures.)

Date: _____