

Student Safety Contract Fill In the Blanks

Name _____ Period _____ Date _____ GRADE ____/____

You will be doing many laboratory activities which require the use of hazardous chemicals. Safety in the science classroom is the #1 priority for students, teachers, and parents. To ensure a safe science classroom, a list of rules has been developed and provided to you in this student safety contract. These rules must be followed at all times. Two copies of the contract are provided. One copy must be signed by both you and a parent or guardian before you can participate in the laboratory. The second copy is to be kept in your science notebook as a constant reminder of the safety rules.

GENERAL RULES

1. Conduct yourself in a _____ at all times in the laboratory.
2. Follow all written and verbal instructions carefully. If you do not understand a direction or part of a procedure, _____.
3. Never work _____. No student may work in the laboratory without an instructor present.
4. When first entering a science room, _____ any equipment, chemicals, or other materials in the laboratory area until you are instructed to do so.
5. Do not _____, drink beverages, or _____ in the laboratory. Do not use laboratory glassware as containers for _____.
6. Perform only those experiments authorized by the instructor. _____ do anything in the laboratory that is not called for in the laboratory procedures or by your instructor. Carefully follow all instructions, both written and oral. Unauthorized experiments are _____.
7. Be prepared for your work in the laboratory. _____ all procedures thoroughly before entering the laboratory.
8. Never fool around in the laboratory. _____, practical jokes, and _____ are dangerous and prohibited.
9. Observe good housekeeping practices. Work areas should be kept clean and tidy at all times. Bring only your laboratory instructions, worksheets, and/or reports to the work area. Other materials (books, purses, backpacks, etc.) should be stored in the classroom area.
10. Keep _____ clear. _____ your chair under the desk when not in use.
11. Know the locations and operating procedures of all safety equipment including the first aid kit, eyewash station, safety shower, fire extinguisher, and fire blanket. Know where the fire alarm and the exits are located.
12. Always work in a _____ area. Use the fume hood when working with volatile substances or poisonous vapors. Never place your head into the fume hood.
13. Be alert and proceed with caution at all times in the laboratory. Notify the _____ immediately of any unsafe conditions you observe.
14. Dispose of all chemical waste properly. Never mix _____ in sink drains. Sinks are to be used only for water and those solutions designated by the instructor. Solid chemicals, metals, matches, filter paper, and all other insoluble materials are to be disposed of in the proper waste containers, not in the sink. Check the label of all waste containers _____ before adding your chemical waste to the container.
15. Labels and equipment instructions must be read carefully before use. Set up and use the prescribed apparatus as directed in the laboratory instructions or by your instructor.
16. Keep hands away from _____ while using chemicals or preserved specimens. Wash your hands with _____ and water after performing all experiments. Clean all work surfaces and apparatus at the end of the experiment. Return all equipment clean and in working order to the proper storage area.
17. Experiments must be personally monitored at all times. You will be assigned a laboratory station at which to work. Do not _____ around the room, _____t other students, or interfere with the laboratory experiments of others.
18. Students are never permitted in _____ or preparation areas unless given specific permission by their instructor.
19. Know what to do if there is a _____ during a laboratory period; containers must be closed, gas valves turned off, fume hoods turned off, and any electrical equipment turned off.
20. Handle all living organisms used in a laboratory activity in a humane manner. Preserved biological materials are to be treated with respect and disposed of properly.
21. When using knives and other sharp instruments, always carry with tips and points pointing _____ and _____. Always cut away from your body. Never try to catch falling sharp instruments. Grasp sharp instruments only by the handles.
22. If you have a medical condition (e.g., allergies, pregnancy, etc.), check with your _____ prior to working in lab.

CLOTHING

23. Any time chemicals, heat, or glassware are used, students will wear laboratory _____. There will be no exceptions to this rule!
24. Contact lenses should not be worn in the laboratory unless you have permission from your instructor.
25. Dress properly during a laboratory activity. Long hair, dangling jewelry, and loose or baggy clothing are a hazard in the laboratory. Long hair must be _____ and dangling jewelry and loose or baggy clothing must be _____. Shoes must _____ cover the foot. No sandals allowed.

ACCIDENTS AND INJURIES

27. Report any accident (spill, breakage, etc.) or injury (cut, burn, etc.) to the _____ immediately, no matter how trivial it may appear.
28. If you or your lab partner are hurt, immediately yell out "Code one, Code one" to get the instructor's attention.

29. If a chemical splashes in your eye(s) or on your skin, immediately _____ with running water from the _____ station or safety shower for at least 20 minutes. Notify the instructor immediately.
30. When mercury thermometers are broken, mercury must not _____. Notify the instructor immediately.

HANDLING CHEMICALS

31. All chemicals in the laboratory are to be considered _____. Do not _____ any chemicals unless specifically instructed to do so. The proper technique for smelling chemical fumes will be demonstrated to you.
32. Check the label on chemical bottles _____ before removing any of the contents. Take only as much chemical as you need.
33. Never return _____ chemicals to their original containers.
34. My teachers name is _____
35. When transferring reagents from one container to another, hold the containers _____ from your body.
36. Acids must be handled with extreme care. You will be shown the proper method for diluting strong acids. Always add acid to water, swirl or stir the solution and be careful of the heat produced, particularly with sulfuric acid.
37. Handle flammable hazardous liquids over a pan to contain spills. Never dispense _____ liquids anywhere near an open flame or source of heat.
38. Never remove chemicals or other materials from the _____ area.
39. Take great care when transporting acids and other chemicals from one part of the laboratory to another. Hold them securely and walk carefully.

HANDLING GLASSWARE AND EQUIPMENT

40. Carry glass tubing, especially long pieces, in a _____ position to minimize the likelihood of breakage and injury.
41. Never _____ broken glass with your bare hands. Use a brush and dustpan to clean up broken glass. Place broken or waste glassware in the designated _____ container.
42. Inserting and removing glass tubing from rubber stoppers can be dangerous. Always lubricate glassware (tubing, thistle tubes, thermometers, etc.) before attempting to insert it in a stopper. Always protect your hands with towels or cotton gloves when inserting glass tubing into, or removing it from, a rubber stopper. If a piece of glassware becomes "frozen" in a stopper, take it to your instructor for removal.
43. Fill wash bottles only with distilled water and use only as intended, e.g., rinsing glassware and equipment, or adding water to a container.
44. When removing an electrical plug from its socket, grasp the plug, not the _____. Hands must be completely dry before touching an electrical switch, plug, or outlet.
45. Examine glassware before each use. Never use _____ or _____ glassware. Never use _____ glassware.
46. Report damaged electrical equipment immediately. Look for things such as frayed cords, exposed wires, and loose connections. Do not use _____ electrical equipment.
47. If you do not understand how to use a piece of equipment, ask the instructor for help.
48. Do not immerse hot glassware in cold water; it may _____.

HEATING SUBSTANCES

49. Exercise extreme caution when using a gas burner. Take care that hair, clothing and hands are a safe distance from the _____ at all times. Do not put any _____ into the flame unless specifically instructed to do so. Never reach _____ an exposed flame. Light gas (or alcohol) burners only as instructed by the teacher.
50. Never leave a lit burner _____. Never leave anything that is being heated or is visibly reacting unattended. Always turn the burner or hot plate _____ when not in use.
51. You will be instructed in the proper method of heating and boiling liquids in test tubes. Do not point the open end of a test tube being heated at _____ or anyone else.
52. Heated metals and glass remain very hot for a long time. They should be set aside to cool and picked up with caution. Use _____ or heat-protective gloves if necessary.
53. Never _____ into a container that is being heated.
54. Do not place hot apparatus directly on the laboratory desk. Always use an _____ pad. Allow plenty of time for hot apparatus to cool before touching it.
55. When bending glass, allow time for the glass to cool before further handling. Hot and cold glass have the same visual appearance. Determine if an object is hot _____.

QUESTIONS

56. Do you wear contact lenses?

YES NO

57. Are you color blind?

YES NO

58. Do you have allergies?

YES NO

If so, list specific allergies _____
