

# Science Laboratory Safety Rules

## Purpose

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. 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 your commitment to safety.

## General Guidelines

1. Conduct yourself in a responsible manner at all times in the laboratory. Horseplay, practical jokes, and pranks are dangerous and prohibited.
2. Never work alone.
3. When first entering a science room, **do not** touch any equipment, chemicals, or other materials in the laboratory area until you are instructed to do so.
4. Do not eat food, drink beverages, or chew gum in the laboratory. Do not use laboratory glassware as containers for food or beverages.
5. Perform only those experiments authorized by the instructor. \_\_\_\_\_ **DO EXTRA EXPERIMENTS and OBSERVATIONS!**
6. Follow all written and verbal instructions carefully. If you do not understand a direction or part of a procedure, ask the instructor before proceeding.
7. Work areas should be kept clean and tidy at all times. Follow directions about what to bring and where to put it
8. Keep aisles clear. Push your chair under the desk when not in use.
9. 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.
10. Always work in a well-ventilated area.
11. Dispose of all chemical waste properly as directed by your teacher.
12. Keep hands away from face, eyes, mouth and body while using chemicals or preserved specimens. \_\_\_\_\_ **when you are instructed to smell something during a lab**
13. Wash your hands with soap and water after performing all experiments. Clean (with detergent), rinse, and wipe dry all work surfaces (including the sink) and apparatus (\_\_\_\_\_) at the end of the experiment.
14. Return all equipment clean and in working order to the proper storage area.

15. Students are never permitted in the science storage rooms or preparation areas unless given specific permission by their instructor.

16. Know what to do if there is a fire drill during a laboratory. \_\_\_\_\_

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17. 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.

18. When using knives and other sharp instruments, always carry with tips and points pointing down and away.

### **Clothing**

19. Wear laboratory goggles **any time, any thing** can get in your eyes!!!!

**When?** \_\_\_\_\_

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20. Contact lenses should not be worn in the laboratory unless you have permission from your instructor.

21. Dress properly during a laboratory activity. Long hair must be tied back and dangling jewelry and loose or baggy clothing must be secured. Shoes must completely cover the foot.

### **Accidents and Injuries**

22. Report any accident (spill, breakage, etc.), injury (cut, burn, etc.) or unsafe situation to the instructor immediately, no matter how trivial ( \_\_\_\_\_ ) it may appear.

23. If a chemical should splash in your eye(s) or on your skin, immediately flush with running water from the eyewash station or safety shower for at least 20 minutes. Notify the instructor immediately. **Not going to happen because we wear \_\_\_\_\_ to cover our \_\_\_\_\_**

### **Handling Chemicals**

24. All chemicals in the laboratory are to be considered dangerous. Do not touch, taste, or smell any chemicals unless specifically instructed to do so.

25. Never return unused chemicals to their original containers.

### **Handling Glassware and Equipment**

26. **Never** handle broken glass – notify the teacher immediately.

27. When removing an electrical plug from its socket, grasp the plug, not the electrical cord.

28. Hands must be completely dry before touching an electrical switch, plug, or outlet.

29. Report damaged electrical equipment immediately. Do not use damaged electrical equipment.

30. If you do not understand how to use a piece of equipment, ask the instructor for help.

31. Do not immerse hot glassware in cold water; it may shatter.

### **Heating Substances**

32. Make sure that hair, clothing and hands are a safe distance from the flame at all times.

33. Never leave a hot plate or lit burner (something with an open flame) or anything being heated unattended. Always turn the burner or hot plate off when not in use.

34. Use tongs or heat-protective gloves (these are \_\_\_\_\_) when working with hot objects.

35. Never look into a container that is being heated. **ALWAYS LOOK FROM THE** \_\_\_\_\_

36. Do not place hot apparatus directly on the laboratory desk. Always use an insulating pad. Allow plenty of time for hot objects to cool before touching it.

### Questions

1. Do you wear contact lenses? Yes [ ] No [ ]

2. Are you color blind? Yes [ ] No [ ]

3. Do you have allergies? Yes [ ] No [ ]