



DANGER

Laboratory Safety Rules

While working in the science laboratory, you will have certain important responsibilities that do not apply to other classrooms. You will be working with materials and apparatus which, if handled carelessly or improperly, have the potential to cause injury or discomfort to someone else as well as yourself.

A science laboratory can be a safe place in which to work if you, the student, are foresighted, alert, and cautious. Violating any of the following regulations will result in you being suspended from class or permanently removed from the class. The following practices will be followed:

1. An instructor must be present during the performance of all laboratory work.
2. Report any accident to the teacher immediately, no matter how minor, including reporting any burn, scratch, cut, or corrosive liquid on skin or clothing.
3. Prepare for each laboratory activity by reading all instructions before coming to class. Follow all directions implicitly and intelligently. Make note of any changes in procedure given by the instructor.

4. Any science project or individually planned experiment must be approved by the teacher.
5. Use only those materials and equipment authorized by the instructor.
6. Inform the teacher immediately of any equipment not working properly.
7. Clean up any nonhazardous spill on the floor or workspace immediately.



**SAFETY
FIRST**

**GOGGLES
REQUIRED**

8. Wear appropriate eye protection, as directed by the instructor, whenever you are working in the laboratory. Safety goggles must be worn during hazardous activities involving caustic/corrosive chemicals, heating of liquids, and other activities that may injure the eyes.

9. Splashes and fumes from hazardous chemicals present a special danger to wearers of contact lenses. Therefore, students should preferably wear regular glasses (inside splash -proof goggles, when appropriate) during all class activities.

10. Never carry hot equipment or dangerous chemicals through a group of students.

11. Check labels and equipment instructions carefully. Be sure correct items are used in the proper manner.

13. Never taste anything or touch chemicals with the hands, unless specifically instructed to do so.

14. Test for odor of chemicals only by waving your hand above the container and sniffing cautiously from a distance.

15. Eating or drinking in the laboratory or from laboratory equipment is NOT permitted.

17. When heating material in a test tube, do not look into the tube or point it in the direction of any person during the process.

19. Combine the liquids slowly while stirring to distribute heat buildup throughout the mixture.

20. Keep hands away from face, eyes, and clothes while using solutions, specimens, equipment, or materials in the laboratory. Wash hands as necessary and wash thoroughly at the conclusion of the laboratory period.

22. Know the location of the emergency shower and eyewash station, fire blanket, fire extinguisher, fire alarm box, and exits.
23. Know the proper fire and earthquake drill procedures.
24. Roll long sleeves above the wrist. Long, hanging necklaces, bulky jewelry, and excessive and bulky clothing should not be worn in the laboratory.
25. Confine long hair during a laboratory activity.

26. Wear shoes that cover the toes, rather than sandals, in the laboratory.

27. Keep work areas clean. Floors and aisles should be kept clear of equipment and materials.

30. Dispose of laboratory waste as instructed by the teacher. Use separate, designated containers (not the wastebasket) for the following:
- Matches, litmus paper, wooden splints, toothpicks, and so on
 - Broken and waste glass
 - Rags, paper towels, or other absorbent materials used in the cleanup of flammable solids or liquids
 - Hazardous/toxic liquids and solids

34. Hot and cold glass has the same visual appearance. Determine whether an object is hot by bringing the back of your hand close to the object.

37. Report broken glassware, including thermometers, to the instructor immediately.

38. Operate electrical equipment only in a dry area and with dry hands.

39. When removing an electrical plug from its socket, pull the plug, not the electrical cord.

40. Always approach laboratory experiences in a serious and courteous manner.

41. Always clean the laboratory area before leaving.

42. Students and teacher wash hands with soap and water before leaving the laboratory area.

44. Exercise caution in using scissors, scalpels, dissecting needles, and other sharp-edged instruments. Pass them with handles extended when handing them to other persons.

45. Inform the teacher immediately of any equipment not working properly.

47. Be sure all glassware is clean before use. Clean glassware thoroughly after use. Residue may cause errors in new experiments or cause a violent reaction or explosion.

The following actions will result in being dropped from the class:

Misuse of safety equipment including, but not limited to

- eyewash stations
- emergency showers
- fire extinguishers
- fire blanket

Vandalizing school equipment or furniture.

Endangering or causing harm to others.



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