

Lab Safety

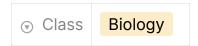


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Safety is the #1 priority for *students*, *parents*, and *teachers*.

General Rules

- 1. Conduct yourself responsibly.
- 2. Follow all instructions carefully.
- 3. Never work alone (without an instructor).
- 4. Don't touch any equipment when first entering the lab.
- 5. Don't eat, drink, or chew gum in the lab. Don't use glassware as containers for food.
- 6. Perform only experiments authorized by the instructor.
- 7. Be prepared for lab work. Read all procedures carefully.
- 8. Never fool around in the lab.

- 9. Keep work areas clean. Bring only essential materials.
- 10. Keep aisles clear.
- 11. Know where the locations of safety equipment is.
- 12. Always work in a well-ventilated area.
- 13. Be alert. Proceed with caution.
- 14. Dispose of all chemical waste carefully.
- 15. Read equipment labels carefully before use.
- 16. Keep hands away from the face and body while using chemicals. Return all equipment cleaned to where it was originally.
- 17. Experiments must always be monitored.
- 18. Don't enter storage rooms without permissions from an instructor.
- 19. Know what to do if there is a fire drill.
- 20. Handle all living organisms in a humane manner.
- 21. Always carry sharp objects with tips pointing down.
- 22. Check with your physician before working in the lab if you have a medical condition.

Clothing

- 23. Always wear lab goggles.
- 24. Contact lenses may be worn is adequate protection is present.
- 25. Dress properly for lab activities.
- 26. Wear lab aprons.

Accidents & Injuries

- 27. Report any accidents to the instructor.
- 28. Yell "Code one, code one" to get the instructor's attention.
- 29. Use the eyewash station is a chemical splashes in your eyes.

30. Do not touch mercury if mercury thermometers are broken.

Handling Chemicals

- 31. All chemicals are considered dangerous. Do not touch, taste, or smell unless instructed to.
- 32. Always check the chemical labels before removing any chemicals.
- 33. Never return unused chemicals to their original containers.
- 34. Never use mouth suction to fill a pipette.
- 35. Hold containers of chemicals away from your body.
- 36. Acids must be handled with extreme care.
- 37. Handle flammable liquids over a pan to contain spills.
- 38. Never remove lab materials from the lab area.
- 39. Take care when transporting chemicals.

Handling Glassware & Equipment

- 40. Carry glass tubing vertically.
- 41. Never handle broken glass with your bare hands.
- 42. Be careful with using stoppers with glass tubing.
- 43. Fill wash bottles only with distilled water.
- 44. Plug in or remove electrical cords from the plug. Do not touch with wet hands.
- 45. Examine glassware before use.
- 46. Report damaged equipment immediately.
- 47. Ask your instructor if you are unsure how to use any equipment.
- 48. Do not put hot and cold together.

Heating Substances

49. Use extreme caution with gas burners.

- 50. Never leave a lit flame unattended.
- 51. Do not point the open end of a heating tube at anyone.
- 52. Heated objects stay hot for a long time. They should be set aside to cool.
- 53. Never look into a container that is being heated.
- 54. Do not place heated equipment on a lab desk.
- 55. When bending glass, allow time for the glass to cool before handling further.