



Lab Safety

▼ Class

Biology

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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 if 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 if 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.