# **FLINN**safety<sup>™</sup>

## **Science Laboratory Safety Test**

## Introduction

Students and teachers working in science laboratories have certain important responsibilities that do not apply in other parts of the school building. Chemicals and apparatus will be used that, if handled carelessly, offer the potential to cause injury or even death to students. Science teachers have a duty of care to properly supervise, instruct, maintain equipment and facilities, and warn students of potential harm in their classrooms. This duty starts the very first day of class.

A safety test can provide the necessary assurance that both the student and teacher are upholding their end of this important responsibility. Included is a blank Science Laboratory Safety Test as well as a Teacher Answer Key.

The *Science Laboratory Safety Test* and additional safety materials are available from Flinn Scientific, Inc.

Catalog No.	Description	
AP4238	Science Laboratory Safety Test, Pad of 50	
AP8730	Liability Reduction Kit	
AP1198	Accident Report—Science Department, Pad of 50	
AP1557	Citation, Safety Violation, Pkg. of 100	
AP4236	Contract, Student Safety Policy, Pad of 50	
AP1864	License, Lab Safety, Pkg. of 100	

Consult the Flinn Scientific website for current prices.

Date:

## Science Laboratory Safety Test

- 1. Flammable materials, like alcohol, should never be dispensed or used near
  - A. an open door.
  - B. an open flame.
  - C. another student.
  - D. a sink.
- 2. If a laboratory fire erupts, immediately
  - A. notify your instructor.
  - B. run for the fire extinguisher.
  - C. throw water on the fire.
  - D. open the windows.
- 3. Approved eye protection devices (such as goggles) are worn in the laboratory
  - A. to avoid eye strain.
  - B. to improve your vision.
  - C. only if you don't have corrective glasses.
  - D. any time chemicals, heat or glassware are used.
- 4. If you wear contact lenses in the school laboratory,
  - A. take them out before starting the lab.
  - B. you do not have to wear protective goggles.
  - C. advise your science instructor that you wear contact lenses.
  - D. keep the information to yourself.
- 5. If you do not understand a direction or part of a lab procedure, you should
  - A. figure it out as you do the lab.
  - B. try several methods until something works.
  - C. ask the instructor before proceeding.
  - D. skip it and go on to the next part.
- 6. After completing an experiment, all chemical wastes should be
  - A. left at your lab station for the next class.
  - B. disposed of according to your instructor's directions.
  - C. dumped in the sink.
  - D. taken home.
- 7. If a lab experiment is not completed, you should
  - A. discuss the issue with your instructor.
  - B. sneak in after school and work alone.
  - C. come in during lunch and finish while eating lunch.
  - D. make up some results.
- 8. You are heating a substance in a test tube. Always point the open end of the tube
  - A. toward yourself.
  - B. toward your lab partner.
  - C. toward another classmate.
  - D. away from all people.

- 9. You are heating a piece of glass and now want to pick it up. You should
  - A. use a rag or paper towels.
  - B. pick up the end that looks cooler.
  - C. use tongs.
  - D. pour cold water on it.
- 10. You have been injured in the laboratory (cut, burn, etc.). First you should
  - A. visit the school nurse after class.
  - B. see a doctor after school.
  - C. tell the science instructor at once.
  - D. apply first aid yourself.
- 11. When gathering glassware and equipment for an experiment, you should
  - A. read all directions carefully to know what equipment is necessary.
  - B. examine all glassware to check for chips or cracks.
  - C. clean any glassware that appears dirty.
  - D. all of the above.
- 12. You want to place a piece of glass tubing into a rubber stopper after the tubing has been fire polished and cooled. This is best done by
  - A. lubricating the tubing with water or glycerin.
  - B. using a towel or cotton gloves for protection.
  - C. twisting the tubing and stopper carefully.
  - D. all of the above.
- 13. Personal eyeglasses provide as much protection as
  - A. a face shield.
  - B. safety glasses.
  - C. splashproof chemical goggles.
  - D. none of the above.
- 14. Long hair in the laboratory must be
  - A. cut short.
  - B. held away from the experiment with one hand.
  - C. always neatly groomed.
  - D. tied back or kept entirely out of the way with a hair band, hairpins, or other confining device.
- 15. In a laboratory, the following should not be worn.
  - A. loose clothing.
  - B. dangling jewelry.
  - C. sandals.
  - D. all of the above.
- 16. The following footwear is best in the laboratory.
  - A. sandals.
  - B. open-toed shoes.
  - C. closed-toed shoes.
  - D. shoes appropriate for the weather.

- 17. Horseplay or practical jokes in the laboratory are
  - A. always against the rules.
  - B. okay.
  - C. not dangerous.
  - D. okay if you are working alone.
- 18. If a piece of equipment is not working properly, stop, turn it off, and tell
  - A. the custodian.
  - B. your lab partner.
  - C. your best friend in the class.
  - D. the science instructor.
- 19. If an acid is splashed on your skin, wash at once with
  - A. soap.
  - B. oil.
  - C. weak base.
  - D. plenty of water.
- 20. When you finish working with chemicals, biological specimens, and other lab substances, always
  - A. treat your hands with skin lotion.
  - B. wash your hands thoroughly with soap and water.
  - C. wipe your hands on a towel.
  - D. wipe your hands on your clothes.

#### True—False

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22.	Hot glass looks the same as cold glass.	29. $\Box$ Chipped or cracked glassware is okay to use.
23.	All chemicals in the lab are to be considered dangerous.	30. 🗌 🗌 Read all procedures thoroughly before entering the laboratory.
24.	Return all unused chemicals to their original containers.	31. $\Box$ $\Box$ All unauthorized experiments are prohibited.
25.	Work areas should be kept clean and tidy.	32. You are allowed to enter the chemical preparation/storage area any time you need to
26.	Pipets are used to measure and dispense small	get an item.
	amounts of liquids. You should draw the liquid into the pipet using your mouth.	33. Laboratory aprons should be worn during all lab activities.
27.	Laboratory work can be started immediately upon entering the laboratory even if the instructor is not yet present.	34. It's okay to pick up broken glass with your bare hands as long as the glass is placed in the trash.
28.	Never remove chemicals or other equipmentfrom the laboratory.	35. 🗌 🗌 Never leave a lit burner unattended.

- 21. Draw a diagram of your science room and label the locations of the following:
  - Fire Blanket
  - Fire Extinguisher(s)
  - Exits
  - Eyewash Station
  - Emergency Shower
  - Closest Fire Alarm Station
  - □ Waste Disposal Container(s)

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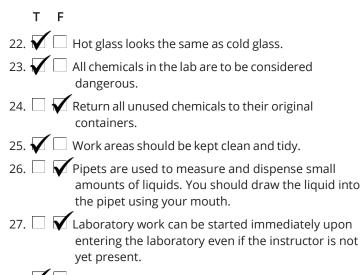
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