

# SCIENCE LABORATORY SAFETY TEST

- Flammable materials, like alcohol, should never be dispensed or used near
  - an open door.
  - an open flame.
  - another student.
  - a sink.
- If a laboratory fire erupts, immediately
  - notify your instructor.
  - run for the fire extinguisher.
  - throw water on the fire.
  - open the windows.
- Approved eye protection devices (such as goggles) are worn in the laboratory
  - to avoid eye strain.
  - to improve your vision.
  - only if you don't have corrective glasses.
  - any time chemicals, heat or glassware are used.
- If you wear contact lenses in the school laboratory,
  - take them out before starting the lab.
  - you do not have to wear protective goggles.
  - advise your science instructor that you wear contact lenses.
  - keep the information to yourself.
- If you do not understand a direction or part of a lab procedure, you should
  - figure it out as you do the lab.
  - try several methods until something works.
  - ask the instructor before proceeding.
  - skip it and go on to the next part.
- After completing an experiment, all chemical wastes should be
  - left at your lab station for the next class.
  - disposed of according to your instructor's directions.
  - dumped in the sink.
  - taken home.
- If a lab experiment is not completed, you should
  - discuss the issue with your instructor.
  - sneak in after school and work alone.
  - come in during lunch and finish while eating lunch.
  - make up some results.
- You are heating a substance in a test tube. Always point the open end of the tube
  - toward yourself.
  - toward your lab partner.
  - toward another classmate.
  - away from all people.
- You are heating a piece of glass and now want to pick it up. You should
  - use a rag or paper towels.
  - pick up the end that looks cooler.
  - use tongs.
  - pour cold water on it.
- You have been injured in the laboratory (cut, burn, etc.). First you should
  - visit the school nurse after class.
  - see a doctor after school.
  - tell the science instructor at once.
  - apply first aid yourself.
- When gathering glassware and equipment for an experiment, you should
  - read all directions carefully to know what equipment is necessary.
  - examine all glassware to check for chips or cracks.
  - clean any glassware that appears dirty.
  - All of the above.
- 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
  - lubricating the tubing with water or glycerin.
  - using a towel or cotton gloves for protection.
  - twisting the tubing and stopper carefully.
  - all of the above.
- Personal eyeglasses provide as much protection as
  - a face shield.
  - safety glasses.
  - splashproof chemical goggles.
  - none of the above.
- Long hair in the laboratory must be
  - cut short.
  - held away from the experiment with one hand.
  - always neatly groomed.
  - tied back or kept entirely out of the way with a hair band, hairpins, or other confining device.
- In a laboratory, the following should not be worn.
  - loose clothing.
  - dangling jewelry.
  - sandals.
  - all of the above.
- The following footwear is *best* in the laboratory.
  - sandals
  - open-toed shoes
  - closed-toed shoes
  - shoes appropriate for the weather

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

True—False

- | T                        | F                        |   | T                        | F                        |   |
|--------------------------|--------------------------|---|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | Hot glass looks the same as cold glass.   | <input type="checkbox"/> | <input type="checkbox"/> | Chipped or cracked glassware is okay to use.  |
| <input type="checkbox"/> | <input type="checkbox"/> | All chemicals in the lab are to be considered dangerous.  | <input type="checkbox"/> | <input type="checkbox"/> | Read all procedures thoroughly before entering the laboratory.                                      |
| <input type="checkbox"/> | <input type="checkbox"/> | Return all unused chemicals to their original containers.   | <input type="checkbox"/> | <input type="checkbox"/> | All unauthorized experiments are prohibited.  |
| <input type="checkbox"/> | <input type="checkbox"/> | Work areas should be kept clean and tidy.   | <input type="checkbox"/> | <input type="checkbox"/> | You are allowed to enter the chemical preparation/storage area any time you need to get an item.    |
| <input type="checkbox"/> | <input type="checkbox"/> | Pipets are used to measure and dispense small amounts of liquids. You should draw the liquid into the pipet using your mouth. | <input type="checkbox"/> | <input type="checkbox"/> | Laboratory aprons should be worn during all lab activities.   |
| <input type="checkbox"/> | <input type="checkbox"/> | Laboratory work can be started immediately upon entering the laboratory even if the instructor is not yet present.            | <input type="checkbox"/> | <input type="checkbox"/> | It's okay to pick up broken glass with your bare hands as long as the glass is placed in the trash. |
| <input type="checkbox"/> | <input type="checkbox"/> | Never remove chemicals or other equipment from the laboratory.  | <input type="checkbox"/> | <input type="checkbox"/> | Never leave a lit burner unattended.  |

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