

Introduction to Laboratory Safety

Chemistry/Physical Science Worksheet

1. Only the teacher has a responsibility for maintaining a safe laboratory.
 - A. True
 - B. False
2. Long hair must always be tied back when using an open flame in lab.
 - A. True
 - B. False
3. Which of the following is *not* a proper way to dress for lab?
 - A. Closed-toe shoes
 - B. Baggy/loose clothing
 - C. Goggles covering your eyes
 - D. Lab apron covering your clothing
4. Which of the following is *not* appropriate to have on your lab table during an experiment?
 - A. Pen or pencil
 - B. Lab instructions
 - C. Backpack
 - D. Equipment deemed necessary by your teacher
5. Pranks and horseplay are permitted in the lab, but only at the appropriate time.
 - A. True
 - B. False
6. Eating and drinking in the lab is permissible only if you wash your hands and use clean glassware.
 - A. True
 - B. False
7. Lab is not the place for erratic behavior; instead, it is a place where your actions should be thought through and purposeful.
 - A. True
 - B. False
8. It is sometimes permissible to continue with your laboratory investigation even if you are unsure what to do next.
 - A. True
 - B. False
9. You should always raise your hand if you have a question or do not understand the instructions.
 - A. True
 - B. False
10. All of the following must be avoided except
 - A. Working in a lab that is unsupervised
 - B. Taking chemicals from a stockroom or lab
 - C. Notifying the teacher in the event of an emergency
 - D. Performing an experiment without permission

20. Which of the following steps is *not* appropriate when transporting chemicals?
- A. Walk defensively
 - B. Keep elbows close to the body
 - C. Use both hands
 - D. Horseplay
21. After a lab, it is permissible to dispose of all substances down the drain without consulting your instructor.
- A. True
 - B. False
22. If there are safety hazards or concerns in lab you should notify your teacher immediately.
- A. True
 - B. False
23. Which of the following should not be used when handling broken glass?
- A. Protective gloves
 - B. Bare hands
 - C. Broom and dust pan
 - D. Broken glassware container
24. Sometimes it is permissible to have a flammable liquid near a Bunsen burner, alcohol burner, or a hot plate.
- A. True
 - B. False
25. A Bunsen burner is lit and operating properly when an internal blue flame is visible and a gentle roar is heard.
- A. True
 - B. False
26. When heating a substance in a test tube, it is permissible to look into the test tube or to point the tube in the direction of other students.
- A. True
 - B. False
27. Hot and cold glassware
- A. Looks different; hot glassware is red and cold glassware is blue
 - B. Looks exactly the same
 - C. Looks different, hot glassware is opaque and cold glassware is translucent
 - D. Looks different, hot glassware is iridescent and cold glassware is dull.

28. What is wrong with this picture?

Identify three things in this picture that are safety concerns.

- a.
- b.
- c.

