

# Safety Quiz

## CHEM 1405

Name \_\_\_\_\_

Date \_\_\_\_\_

Circle the correct answer for each of the following questions.

1. Approved eye protection is to be worn
  - a. for certain experiments.
  - b. for hazardous experiments only.
  - c. only when the teacher says so.
  - d. all the time.
  
2. Eating or drinking in the laboratory is
  - a. not permitted under any circumstances.
  - b. allowed only during lunch.
  - c. allowed only during the break.
  - d. all right if you are careful
  
3. If you need to smell a chemical, you should
  - a. place the tube close to your nose and inhale deeply.
  - b. take a breath of air and fan the vapors towards you.
  - c. put some of the chemical in your hand and smell it .
  - d. place the tube under your lab partner's nose and let him or her smell it.
  
4. When heating liquids in a test tube, you should
  - a. hold the tube still and place the bottom of the tube in the center of the flame.
  - b. move the tube back and forth through the flame and heat near the surface of the liquid.
  - c. look directly into the open end of the test tube to see what is happening.
  - d. hold it tightly in your hand so it will not fall and break.
  
5. Unauthorized experiments are
  - a. all right as long as they do not seem hazardous.
  - b. all right as long as no one finds out.
  - c. not allowed.
  - d. all right as long as another student is there.
  
6. If a chemical is spilled on your skin, you should
  - a. wait to see if it stings.
  - b. flood the area with water for ten minutes.
  - c. wipe it off with a paper towel.
  - d. add a base to neutralize it.

7. When taking liquids from a reagent bottle,
  - a. use your pipet to remove it directly from the container.
  - b. pour the reagent into a small container before using it.
  - c. put back what you did not use.
  - d. discard any leftover in the sink.
  
8. In the laboratory, open-toed shoes and shorts
  - a. are potentially dangerous and should not be worn.
  - b. are OK if the weather is hot.
  - c. are all right if you are wearing a lab coat.
  - d. are OK if they are in style.
  
9. When is it all right to taste a chemical?
  - a. Never.
  - b. When the chemical is not hazardous.
  - c. When you use a clean beaker.
  - d. When you are thirsty.
  
10. After you use a reagent bottle,
  - a. keep it at your desk in case you need more.
  - b. return the bottle to its proper location.
  - c. play a joke on your friends and hide it.
  - d. leave it open for convenience.
  
11. Before starting an experiment,
  - a. read the entire procedure.
  - b. ask your lab partner how to do the experiment.
  - c. skip to the report section and try to figure out what to do.
  - d. just do what the other students are doing.
  
12. Working alone in the laboratory without supervision is
  - a. all right if the experiment is not too hazardous.
  - b. not allowed.
  - c. allowed if you are sure you can complete the experiment without help.
  - d. OK if it is a make-up lab.
  
13. You should wash your hands
  - a. before you leave the lab.
  - b. only before the lab.
  - c. only if they are dirty.
  - d. before eating lunch in the lab.

14. Personal items (books, sweaters, etc.) should be
- kept on your lab bench.
  - stored out of the way, not on the lab bench.
  - left outside in the hall.
  - kept in the fume hood.
15. When you have taken too much of a chemical, you should
- return the excess to the reagent bottle.
  - store it in your lab drawer for future use.
  - discard it using proper disposal procedures.
  - pour it down the sink.
16. In the lab you should wear
- practical, protective clothing.
  - something fashionable.
  - shorts and loose sleeve shirts.
  - your best jewelry.
17. If a chemical is spilled on the table
- clean it up right away.
  - let the stockroom personnel clean it up.
  - leave it alone and continue your work.
  - let it evaporate if it is volatile.
18. If mercury is spilled,
- pick it up with a dropper.
  - leave it alone if it is only a small amount.
  - call your instructor.
  - push it under the table where no one can see it.
19. If you have long hair, you should
- tie it back before performing lab work.
  - ask your lab partner to cut your hair shoulder-length.
  - try to keep your hair from interfering with lab work.
  - do nothing, as it does not create a hazard.
20. If your hair or shirt catches on fire, you should
- use the safety shower to extinguish the flames.
  - run to the nearest exit.
  - just let it burn out.
  - use the fire extinguisher to put it out.

21. All hazardous waste should be
- placed in a special waste container.
  - washed down the drain.
  - placed in the wastebasket.
  - stored in your lab drawer.
22. If a chemical is splashed into your eye, you should
- not worry if it does not sting.
  - rinse your eyes with water after the lab is finished.
  - use the eyewash fountain to wash your eyes for ten minutes.
  - put on your safety glasses or goggles and finish the lab.
23. Experiments that involve chemical with irritating vapors
- can be performed in the lab if you hold the chemical away from your face.
  - should be performed in the fume hood.
  - should be performed out in the hall.
  - are OK if the vapors do not smell bad.
24. Horseplay is allowed
- before anyone has begun the experiment.
  - when the instructor isn't looking.
  - never.
  - after the lab is finished.
25. A liquid is taken into a pipet
- using a pipet bulb or pipet pump.
  - using your mouth to fill the pipet.
  - by using a dropper to fill the pipet from the top.
  - both A and B are OK.

Adapted from, *Laboratory Manual for General, Organic, and Biological Chemistry*, by Karen Timberlake.  
<http://wserver.scc.losrios.edu/~nussl/chem305/handouts/week01/00%20Safety%20Quiz.pdf>