

Name:

Date:

Science Laboratory Safety Quiz

Directions: This is an open book quiz. You may take out your notes in order to answer these questions. However, you may NOT discuss the questions or answers with your table mate. Please place a capital letter(s) of the correct answer to the left of each question.

Part I: Multiple Choice - Please note that that there may be more than one correct answer. If none of the answers are correct, then write "none".

- _____ 1. When may you bring food into the lab?
- A. It is kept in your backpack
 - B. You do not eat it until your lab work is complete.
 - C. It is in a metal lunchbox
 - D. The food does not produce crumbs or waste
- _____ 2. Your notebook accidentally catches fire during a lab experiment. You should
- A. Notify the teacher
 - B. Throw it on the floor and stamp on it
 - C. Remain calm
 - D. Put the fire out with a fire extinguisher
- _____ 3. After heating a flask, it is best to
- A. Cool it by immersing it in cold water
 - B. Stand the flask on an insulated pad
 - C. Stand the flask on the lab table to cool
 - D. Test the flask's temperature by touching it with a wet fingertip.
- _____ 4. When working in a lab,
- A. Wear loose clothing for freedom of movement
 - B. Tie up loose hair
 - C. Wear contact lenses rather than eyewear
 - D. Wear long sleeves to protect your arms
- _____ 5. You may taste the products of a chemical test or reaction if
- A. Your teacher instructs you to do so
 - B. You think you know what the substance is
 - C. The lab instructions tell you to taste it
 - D. You dissolve it in water first
- _____ 6. To mix an acid with water, pour
- A. The acid into the water
 - B. The water into the acid
 - C. Small amounts of each into a third container
 - D. The smaller amount of liquid into the larger volume of liquid
- _____ 7. 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(s)
 - C. Toward the front of the room
 - D. Away from all people
- _____ 8. In a lab, the following should not be worn.
- A. Loose clothing
 - B. Dangling jewelry
 - C. Sandals
 - D. Sneakers
- _____ 9. If an acid is splashed on your skin, wash it at once with
- A. Soap
 - B. Oil
 - C. Weak base
 - D. Plenty of water

- _____ 10. When gathering glassware and equipment for an experiment you should
- A. Read all directions carefully to know what equipment you need
 - B. Examine all glassware to check for cracks or chips
 - C. Clean any glassware that appears dirty
 - D. Label glassware before adding any liquids

Part II: True or False – Write a capital T or F to the left of each statement.

- 11. _____ Hot glass looks the same as cold glass
- 12. _____ All chemicals in the lab are considered dangerous
- 13. _____ Work areas should be kept clean and tidy
- 14. _____ Return all unused chemicals to their original containers
- 15. _____ You are permitted to pick up broken glass with your bare hands as long as the glass is placed in the trash.
- 16. _____ Never leave a lit burner or a hot water bath (on top of a hot plate) unattended
- 17. _____ Follow directions carefully; do not do anything you have not been directed to do
- 18. _____ All lab wastes can be thrown out in the trash or poured down the sink
- 19. _____ Always wash your hands before leaving the lab
- 20. _____ It does not matter if you label glassware before or after you fill them with liquids.

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