

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Answer Key: Blast into Lab Safety: Ace Your 5th Grade Science Mission

Stop accidents before they start by identifying hazard symbols and mastering the rules of a safe classroom workstation.

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**1. While observing a science demonstration, you notice a classmate has long hair hanging near a heat source. What is the safest action for them to take?**

**Answer:** B) Tie their hair back securely with a hair tie.

Long hair is a fire hazard and can also fall into chemicals; it must be tied back and out of the way before the lab starts.

**2. If you accidentally spill a small amount of plain water on the lab table, you should tell your teacher immediately before cleaning it up.**

**Answer:** A) True

In a science lab, even 'plain water' spills must be reported so the teacher can ensure no chemicals were mixed in and that the area is safely dried.

**3. When you want to know what a substance in a beaker smells like, you should use a technique called \_\_\_\_\_ to move the air toward your nose.**

**Answer:** C) Wafting

Wafting (using your hand to wave vapors toward your nose) prevents you from inhaling too much of a potentially harmful chemical.

**4. You find a glass test tube with a tiny crack in the bottom. What should you do with it?**

**Answer:** C) Give it to the teacher to be disposed of properly.

Chipped or cracked glassware can shatter when heated or handled; it should never be used in an experiment.

**5. Before starting any experiment, the very first thing a student must do is \_\_\_\_\_.**

**Answer:** B) Read all the instructions

Reading the full directions first ensures you understand the steps and recognize any safety warnings before you begin.

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**6. Which of these is the most appropriate footwear for a day when your class is doing a 'wet' lab with liquids?**

**Answer:** C) Sneakers

Closed-toe shoes like sneakers protect your feet from spills or dropped objects, which is a key lab safety requirement.

**7. It is okay to eat your snack in the lab as long as you are not using any chemicals at that exact moment.**

**Answer:** B) False

Food and drinks are never allowed in the lab because they could become contaminated by leftover chemical dust or fumes.

**8. If a student gets a small splash of a cleaning liquid in their eye, how long should they rinse their eye at the eyewash station?**

**Answer:** B) At least 15 to 20 minutes

Standard safety protocol requires flushing the eyes for 15-20 minutes to ensure all traces of the chemical are removed.

**9. After finishing a lab activity and cleaning your station, the final step before leaving the room should be \_\_\_\_\_.**

**Answer:** A) Washing your hands

Washing your hands with soap and water removes any invisible residues you might have touched during the experiment.

**10. Horseplay, such as running or joking around, is allowed in the lab only if you have finished your work early.**

**Answer:** B) False

Horseplay is never permitted in a science lab because it can lead to accidents, broken equipment, or serious injury.