

# Student Physics Laboratory Safety Agreement

In order to conduct safe and effective laboratory activities, all students must follow proper laboratory procedures.

**Please initial each item and sign where indicated.**

## General Rules

1. Prepare for the lab by reading the instructions and safety information ahead of time. \_\_\_\_\_
2. Always stay on task—don't fool around in the lab. No horseplay, pranks, or practical jokes. \_\_\_\_\_
3. Follow all verbal and written instructions given by the instructor. \_\_\_\_\_
4. Never work in the lab unsupervised or perform unauthorized or unapproved experiments. \_\_\_\_\_
5. Do not eat, drink, apply cosmetics, manipulate contact lenses, or chew gum in the lab. \_\_\_\_\_
6. Keep work areas tidy. Keep aisles and exits clear, and move backpacks, jackets, and other personal items out of the way of lab work. \_\_\_\_\_

## Personal Safety

1. Wear approved eye protection properly **at all times** while you perform lab work. \_\_\_\_\_
2. Wear any additional safety equipment (aprons, gloves, etc.) as directed by the instructor. \_\_\_\_\_
3. Wear closed-toe shoes, tie back long hair, avoid loose or baggy clothing, and avoid short skirts or shorts while performing lab work. \_\_\_\_\_
4. Report all accidents, spills, or injuries to the instructor immediately. \_\_\_\_\_
5. Know how to use all classroom safety equipment and its location. \_\_\_\_\_
6. Know the location of the nearest exit. \_\_\_\_\_
7. Wash hands thoroughly with soap and water after handling any laboratory materials. \_\_\_\_\_

## Laboratory Safety

1. Consider all lab chemicals and specimens to be dangerous. Do not touch, smell, or taste any chemicals or specimens unless specifically instructed to do so. \_\_\_\_\_
2. Read the label on the bottles carefully before using chemicals. Be sure you're using the correct chemical at the correct concentration before removing it from the bottle. \_\_\_\_\_
3. Do not remove chemicals, equipment, or other supplies from the lab. \_\_\_\_\_
4. Follow proper procedures when operating a burner or heat source. Always turn the device off when not in use. \_\_\_\_\_
5. Place all used matches in a cup of water and dispose of them at the end of the class period. \_\_\_\_\_
6. Do not handle broken glass with bare hands. Use a brush and dustpan to clean up broken glass and place in a designated glass disposal container. \_\_\_\_\_
7. Dispose of all waste materials only as directed by the instructor. \_\_\_\_\_
8. Do NOT dispose of any solid down the drain. \_\_\_\_\_

## Safe Physics Lab Techniques

1. Do NOT use a thermometer as a stirring rod. \_\_\_\_\_
2. To obtain more accurate temperature data, make sure the thermometer is suspended in the substance being measured and not resting on the bottom of the container. \_\_\_\_\_
3. Place equipment that can roll (stirring rods, thermometers, etc.) in a basket or container to prevent breakage. \_\_\_\_\_

*(Continued on the next page)*

# Student Physics Laboratory Safety Agreement (continued)

4. Review rules for working with numbers, significant figures, and error analysis. \_\_\_\_\_
5. Use a clean scoopula, spatula, or spoon for every chemical to prevent contamination. \_\_\_\_\_
6. Use grounded electrical sockets. Unplug equipment by gripping the plug, NOT the cord. \_\_\_\_\_
7. Inform your teacher of equipment with bare or loose wires. \_\_\_\_\_
8. Keep electrical equipment away from water. \_\_\_\_\_
9. Determine the adequate amount of space needed to safely perform motion, force, and projectile experiments. \_\_\_\_\_

Do you have allergies or other medical conditions that your instructor should be aware of?

Yes

No

If yes, please describe.

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*I have read and fully understand the rules, safety practices, and regulations governing my conduct in the science laboratory. I will abide by these rules to ensure my safety and the safety of all laboratory participants. I will follow all written and verbal instructions given by the instructor and ask questions if I do not understand a direction or procedure. I understand that violation of these rules may result in removal from the laboratory, removal from the science class, a lowered grade, or other consequences as determined by the instructor.*

\_\_\_\_\_  
Student

\_\_\_\_\_  
Date

\_\_\_\_\_  
Parent/Guardian

\_\_\_\_\_  
Date