

Name _____ Lab Period _____

** This activity is modified for local district use from an activity posted by Mr. Michael Comet at South Lewis CS, Turin, NY.

Lab Safety Activity

Objectives: Upon completion of this laboratory experience the student will:

- 1.) know the rules and regulations that help keep the biology laboratory a safe place to work.
- 2.) be able to identify major hazards and to implement a plan to react and respond if a hazardous condition presents itself.

Some Laboratory Rules


After reading the following rules, state one major reason why that rule is important.

Rule	Why is it Important?
At the beginning of most laboratories, your instructor will engage in a pre-lab discussion. Many safety procedures will be discussed during these discussions.	
Keep all books, papers, and other flammable materials away from open flames or dangerous chemicals.	
Tie back long hair when you are working with an open flame.	
Do NOT mix chemicals or perform unscheduled experiments without your teacher's approval	
Never use chemicals from an unlabeled container. Do not taste, smell, or touch chemicals unless specifically instructed by your teacher to do so.	
Wear safety goggles during experiments involving heating or hammering or while using acids or bases. If you do not have goggles on, stay away from students that are experimenting.	
It is also expected that you will wear goggles when working near caustic or volatile chemicals. (including dissections)	
Point the open end of a test tube or flask away from yourself and others while heating it. Never heat a closed test tube or container.	
Use squeeze bottles and droppers only for their intended purpose.	






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Use a lubricant when inserting glass tubing into a stopper. .	
Use tongs or other safety equipment when picking up red hot materials. .	
Clean up loose material should be left in the sinks and lab benches. ; i.e. paper, lab equipment, etc.	
Discard all waste matter in the appropriate containers. (ex. glass in glass pail	
Never place pencils, pens, or other materials in your mouth.	
NEVER return excess chemicals back to their container.	
Gas burners and hot plates must be turned off when not in use during the laboratory period.	
Keep volatile liquids and reagents away from the bunsen burner flame or other heating source.	
Know where all laboratory safety equipment is located in case you need it.	
Most chemical spills are best handled by washing the affected area with water as quickly as possible. Call your teacher for assistance if necessary. Severe spills may require the removal of clothing.	
Put out any fires immediately. Call your teacher for assistance if necessary.	
In an emergency situation do not panic. If you observe another student in trouble, tell them what to do, and assist them in doing it.	

Laboratory Safety Symbols

Symbol	What does the symbol mean?
	

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<p>DANGER</p> 	
	
	

Conclusion Questions:

1. How do you exit this room in case of a fire or fire drill? Be specific, describing the exit route and at least three exit procedures to be followed.
2. Describe at least three things that you would recognize as being hazards that could exist in the lab. What would you do about correcting the hazard?