


<h1>N</h1>	103 Laboratory Safety	
	OBJECTIVES 1. Describe the lab bench 2. Identify and locate laboratory safety equipment 3. Describe safe lab practices and techniques 4. Identify the hazards and safety symbols 5. Describe how to react to hazardous lab situations	

103.1 The Lab Bench

1. List the resources present at your Lab Bench.

103.2 Laboratory Safety Equipment

2. Identify the laboratory safety equipment commonly present in the lab.

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103.3 Safe Lab Practices and Techniques

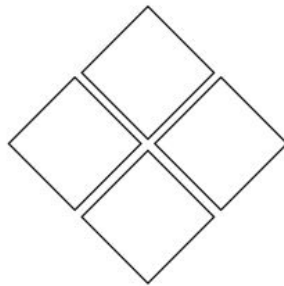
- 3a. Describe safe lab practices.



3b. Describe how you should dress for laboratory activities.

103.4 Laboratory Safety Hazard Symbols



4b. Identify the hazards and colors for each diamond in the National Fire Protection Hazard ID System



ACID – Acid
ALK – Alkali
COR – Corrosive
OXY – Oxidizer
 Radioactive
 Use No Water

103.5 Safety Scenarios

103 Laboratory Safety Concept Check

- Approved eye protection devices (such as goggles) are worn in the laboratory
 - to avoid eye strain
 - to improve your vision
 - only if you don't have corrective glasses
 - any time chemicals, heat or glassware are used
- If a laboratory fire erupts, immediately
 - notify your instructor
 - run for the fire extinguisher
 - throw water on the fire
 - open the windows
- You are heating a substance in a test tube. Always point the open end of the tube
 - toward yourself
 - toward your lab partner
 - toward another classmate
 - away from all people
- Long hair in the laboratory must be
 - cut short
 - held away from the experiment with one hand
 - always neatly groomed
 - tied back or kept entirely out of the way with hair band, hair pins, or some other device
- In the laboratory the following should not be worn
 - loose clothing
 - dangling jewelry
 - sandals
 - all of the above
- After completing an experiment, all chemical wastes should be
 - left at your lab station for the next class
 - disposed of according to your instructor's directions
 - dumped in the sink
 - take home
- When you finish working with chemicals, biological specimens, and other lab substances always
 - treat your hands with skin lotion
 - wash your hands thoroughly with soap and water
 - wipe your hands on a towel
 - wipe your hands on your clothes
- If an acid is splashed on your skin, wash at once with
 - soap
 - oil
 - weak base
 - plenty of water
- Identify the chemical hazard symbol below



- (1) flammable (2) toxic (3) corrosive (4) health hazard

10. The red diamond describe which hazard

- (1) health (2) fire (3) reactivity (4) special hazard

1.	2.	3.	4.	5.	6.	7.	8	9.	10.
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