

# Lab Safety

Lecture 6, khadeeja Hussein

# 4

## Lab Safety

### LAB SAFETY PROCEDURES

This lab contains several **hazardous** substances. All employees must follow these guidelines. Wear protective clothing at all times. Do not enter the lab without: **goggles**, **gloves**, and **coveralls**. Workers should also wear **respirators** around **toxic** fumes. Please work with hazardous chemicals beneath a **fume hood**.

If chemicals make contact with your eyes, wash them immediately. Each lab has two **eye wash stations**. After rinsing the affected eyes, seek medical attention.

Additional precautions exist in case of a fire. Workers should store **flammable** chemicals in **safety cans**. They should also memorize fire extinguisher locations. Smoking is forbidden inside the lab.



eye wash station



safety can



fume hood



coverall

goggles

respirator

gloves

1 How can someone protect his or her eyes while handling hazardous chemicals?

2 What should lab workers do while handling flammable chemical in a lab?

### **1 How can someone protect his or her eyes while handling hazardous chemicals?**

To protect his or her eyes, a person should wear goggles or a mask over his or her face. If toxic chemicals get into someone's eyes, he or she should rinse them in an eye wash station immediately. Then, he or she should seek medical attention.

### **2 What should lab workers do while handling flammable chemical in a lab?**

While handling flammable chemicals in a lab, a person should wear proper safety equipment. Additionally, he or she should store the chemicals themselves in safety cans. The person working in the lab should make an effort not to create sparks or open flames unnecessarily. He or she should also keep a fire extinguisher nearby.

Task 1 , Choose the correct answer

1 What is the purpose of the excerpt?

- A** to explain why a substance is hazardous     **B** to describe a lab's safety measures     **C** to show the effects of toxic materials     **D** to discuss the contents of a lab

2 Which of the following is NOT required at all times?

- A** goggles     **B** a coverall     **C** a respirator     **D** gloves

3 Where should flammable chemicals be stored?

- A** under a fume hood     **B** near fire extinguishers     **C** in safety cans     **D** outside the lab

## Task 1, the answers

1 What is the purpose of the excerpt?

- A to explain why a substance is hazardous
- B to describe a lab's safety measures
- C to show the effects of toxic materials
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2 Which of the following is NOT required at all times?

- A goggles
- B a coverall
- C a respirator
- D gloves

3 Where should flammable chemicals be stored?

- A under a fume hood
- B near fire extinguishers
- C in safety cans
- D outside the lab

## Task 2 Choose the correct answer

4

### Lab Safety

#### Vocabulary

3 Match the words or phrases with the definitions (A-F).

safety can

hazardous

coverall

goggles

gloves

eye wash station

A dangerous to someone's health or safety

B protective covering for a person's eyes

C a special container that vents vapors when it gets hot

D a device used to rinse a person's eyes in an emergency

E protective covering for a person's hand

F a protective garment that covers most of a person's body

## Task2 the answers

### Vocabulary

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**A** dangerous to someone's health or safety

hazardous ✓

**B** protective covering for a person's eyes

goggles ✓

**C** a special container that vents vapors when it gets hot

safety can ✓

**D** a device used to rinse a person's eyes in an emergency

eye wash station ✓

**E** protective covering for a person's hand

gloves ✓

**F** a protective garment that covers most of a person's body

coverall ✓

Task 3 choose the correct answer

## Vocabulary

**4** Read the sentence pairs. Choose which word or phrase best fits each blank.

flammable

toxic

1 A) People should not create sparks near  substances.

B) Exposure to  chemicals can make a person sick.

fume hood

respirator

2 A) Wearing a  can protect a person from toxic fumes.

B) Lab technicians should use toxic chemicals beneath a .



### Task 3 the answers

## Vocabulary

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Task4, fill  
the blanks

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eye wash station



safety can



fume hood



coverall

goggles

respirator

gloves



If a person gets chemicals in his or her eyes, he or she should

them in the  wash station immediately.

Then, he or she should seek  attention.

## Task4, the answers

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eye wash station



safety can



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