

Science Safety Lab Quiz PDF

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Describe the steps you would take if you witnessed a small fire starting in the lab.

What are the potential consequences of not wearing appropriate PPE in the lab?

What should you do first if a chemical spill occurs on your skin?

- Wipe it off with a cloth
- Ignore it
- Rinse immediately with water
- Apply ointment

Discuss the importance of proper waste disposal in maintaining a safe laboratory environment.

How would you conduct a risk assessment for a new experiment involving volatile chemicals?

Why is it important to report near misses and unsafe conditions in the lab, even if no one is injured?

Explain why it is important to read the Safety Data Sheet (SDS) before using a chemical.

What are the correct steps for donning PPE? (Select all that apply)

- Put on gloves before lab coat
- Wear goggles before gloves

- Ensure lab coat is buttoned
- Wear open-toe shoes

Which of the following are considered safe practices when handling chemicals? (Select all that apply)

- Smelling chemicals directly
- Wearing gloves
- Reading the SDS
- Mixing chemicals without supervision

Which items should be disposed of in a biohazard waste container? (Select all that apply)

- Used gloves
- Broken glass
- Contaminated pipette tips
- Paper towels

What is the first step in using a fire extinguisher?

- Aim at the base of the fire
- Pull the pin
- Squeeze the handle
- Sweep side to side

Which action should you take if you break glassware in the lab?

- Sweep it up with your hands
- Notify the instructor and use a broom and dustpan
- Leave it for someone else to clean
- Kick it under the table

What type of shoes should be worn in the lab?

- Open-toe sandals
- High heels
- Closed-toe shoes
- Flip-flops

Which of the following is NOT considered personal protective equipment (PPE)?

- Lab coat
- Safety goggles
- Sandals
- Gloves

Which piece of equipment is used to measure liquid volume accurately?

- Beaker
- Bunsen burner
- Graduated cylinder
- Test tube

Which of the following are essential components of a chemical label? (Select all that apply)

- Chemical name
- Hazard symbols
- Expiry date
- Manufacturer's contact information

Which actions should be taken during a lab evacuation? (Select all that apply)

- Turn off all equipment
- Run to the nearest exit
- Follow the evacuation route
- Gather personal belongings

What are the benefits of participating in safety drills? (Select all that apply)

- Familiarity with emergency procedures
- Increased panic during real emergencies
- Improved response time
- Knowledge of evacuation routes

What is the primary purpose of wearing goggles in the lab?

- To improve vision
- To protect eyes from chemical splashes
- To look professional
- To shield from bright lights

Which symbol indicates a biohazard?

- Skull and crossbones
- Flame
- Three interlocking circles
- Exclamation mark