

Introduction to Chemistry

Laboratory Safety



Lab Safety is the responsibility of everyone in lab... not just the teacher or your lab partner!

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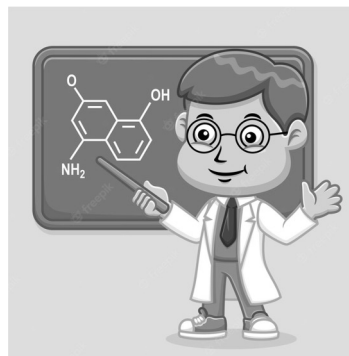
General Lab Safety Rules

No Food or Drink in Lab



NO FOOD AND DRINK

Instructor must be Present



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General Lab Safety Rules

Wash Your Hands



Keep Your Station Neat and Clean



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General Lab Safety Rules

No Horseplay



Follow all directions



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Laboratory Goggles and Eye Protection

Safety Glasses Always Required



Lab is hazardous to eyes

- Keep your goggles on
- Liquids and solids can get into eyes and cause damage
- Glass can get into eyes



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Laboratory Dress Code

Closed toe shoes required



Long Hair Tied Back



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Laboratory Safety Equipment

Eye Wash Station



Used for Chemicals / Glass in Eyes

Chemical Shower



Chemicals on Skin / Clothing

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Laboratory Safety Equipment

Fire Extinguisher



Putting out Chemical Fires

Chemical Fume Hood



Containing toxic gases

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Broken Glass Handling and Disposal



- Do not handle broken glass directly, use gloves and/or broom/dustpan
- Glass shards are dangerous for your skin and eyes
- Only throw glass way in approved glass box or ask your instructor
- Never hide broken glassware

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Chemical Spills



- Let instructor know for more specific instructions
- If spill large use paper towels to contain the spill... do not directly touch chemicals with your hand
- Use chemical spill kit to neutralize or soak up chemicals
- Never put chemicals in the sink unless specifically directed to

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Laboratory Fires



Even small fires can quickly get out of controller... always alert instructor in case of fire

Small Closed (*in container*) Fire
Cover container with lid to stop fire

Small Open Fire (*outside container*)
Use fire extinguisher or blanket to put out fire

Large Fire (*in room*)
Alert instructor, evacuate room, alert others to fire location, proceed to evacuation zone area and check in

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Clothing Fires



Clothing fires are extremely dangerous and are always handled quickly through stop, drop, and roll and shower

All Other Emergencies

If emergency is life threatening:
Do not wait, call 911

If instructor is down, non-responsive, or in trouble call 911

In all other cases alert the instructor and get the nurse, EMS (911) involved right away

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