

Laboratory Safety



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

3

Laboratory Rules and Procedures

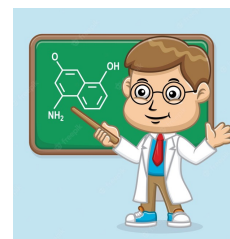
General Lab Safety Rules

No Food or Drink in Lab



NO FOOD AND DRINK

Instructor must be Present



4

Laboratory Rules and Procedures

General Lab Safety Rules

Wash Your Hands



Keep Your Station Neat and Clean



5

Laboratory Rules and Procedures

General Lab Safety Rules

No Horseplay



NO RUNNING,
PUSHING, OR OTHER
DANGEROUS
HORSEPLAY

Follow all directions



READ AND FOLLOW
INSTRUCTIONS
ON THIS LADDER
FAILURE TO COMPLY WITH
SAFETY GUIDELINES MAY
RESULT IN
SERIOUS INJURY OR DEATH

6

Laboratory Rules and Procedures

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



7

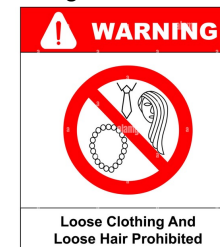
Laboratory Rules and Procedures

Laboratory Dress Code

Closed toe shoes required



Long Hair Tied Back



8

Laboratory Rules and Procedures

Laboratory Safety Equipment

Eye Wash Station



Used for Chemicals / Glass in Eyes

Chemical Shower



Chemicals on Skin / Clothing

9

Laboratory Rules and Procedures

Laboratory Safety Equipment

Fire Extinguisher



Putting out Chemical Fires

Chemical Fume Hood



Containing toxic gases

10

Handling Emergencies

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

11

Handling Emergencies

Chemical Spills

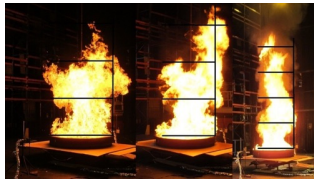


- Let instructor know for more specific instructions
- If spill large use paper towels to contain the spill... do not directly touch chemicals with your hand
- Use chemical spill kit to neutralize or soak up chemicals
- Never put chemicals in the sink unless specifically directed to

12

Handling Emergencies

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

13

Handling Emergencies

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

14