

LABORATORY SAFETY – PRACTICES & EQUIPMENT

Safe laboratory practices are required and strictly enforced. Serious violations of these practices may result in dismissal from the lab and a score of zero for that day.

Personal Protective Equipment (PPE) – supplied by *student*

- Eye protection – must have clear lenses with built-in side shields, and be rated ANSI 287; eye protection is to be worn *at all times* in the laboratory.
- Lab coat – must have long sleeves and reach at least to mid-thigh; must be made from either 100% cotton, cotton/poly blend, or material that has been made chemically resistant.

Appropriate Clothing – supplied by *student*

- Pants – legs must be completely covered including the ankles; only long pants made of durable (i.e. non-synthetic) material and without holes or tears are acceptable.
- Footwear – feet and ankles must be completely covered *and* stable; open-toe, open-top, open-heel, and heels greater than 1-inch will *not* be allowed in lab.
- Hair – hair that is shoulder-length or longer must be pulled back in a clip or ponytail.

General Conduct

- Pay attention to your environment and the actions of those around you; be aware of potential safety hazards, and do not engage in rowdy behavior.
- KNOW YOUR EXITS!
- Food and drink are not allowed in the laboratory; snacks and drinks must be kept on the table outside the lab. Additionally, do not taste or directly touch any chemical in the lab.

Broken Glass

- Should be swept up immediately, or as soon as it is safe to do so; a broom and dustpan are available, do *not* use your hands.
- Must be disposed of in the BROKEN GLASS box; do *not* dispose into the regular garbage bins.

Minor Chemical Spill

- On skin – dilute immediately using *tap water only* and notify your lab instructor.
- On counter – must be cleaned up immediately, or as soon as it is safe to do so; notify your instructor of the spill before cleaning in case there are special instructions.

Chemical Splash In Eyes

- Dilute immediately using *tap water only* for a minimum of 15 minutes.
- Single eyewash stations are located around the room for temporary use until you can reach the double eyewash station; your instructor will discuss its use.
- A double eyewash station is located near the main laboratory door and your instructor will discuss its use.

Chemical Splash on Person (Major)

- Remove clothing and dilute immediately using *tap water only* for a minimum of 15 minutes.
- A safety shower is located near the main laboratory door and your instructor will discuss its use.

Equipment on Fire

- Extinguish only if safe to do so; fire extinguishers are available in the room, which your instructor will point out and discuss.
- When using a fire extinguisher, the mnemonic is PASS – Pull the pin, Aim at the base of the flame, Squeeze the trigger, Spray back and forth.

Person on Fire

- If this is you – STOP, DROP, ROLL! *Do not attempt to do anything else.*
- If this is not you – pull the fire blanket located at the front of the lab room and lay it over the person only AFTER he/she had stopped, dropped, and rolled; *do not* wrap it around a person still standing as this may create a chimney for the fire.
- *Never ever use a fire extinguisher on a person!*

Toxic/Irritating Fumes

- For any experiment involving a reaction that creates toxic or irritating fumes, the fume hoods will be utilized. Fume hoods are located at the front of the room.
- Fume hoods may also be used by anyone at any time, particularly if you suffer from, allergies, asthma, or other respiratory hypersensitivities.

This Safety Policy must be signed and dated by you before you will be allowed to do work of any kind in the laboratory. By signing, you are stating your agreement to abide by these practices and procedures in full. If you have further questions, please consult with your instructor.

Student Signature

_____/_____/_____
Month / Day / Year

Instructor Name