



General Lab Safety

Introduction to Human Biology **LAB** / 1st Lab
1st Grade / Fall Semester
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Instructor: Adam Jalal Mohammed

Email: adam.jalal@tiu.edu.iq

Mob: +964 7774522622



Why is Lab Safety Important?

- Lab safety rules and symbols are needed so that students do not injure themselves or their classmates.

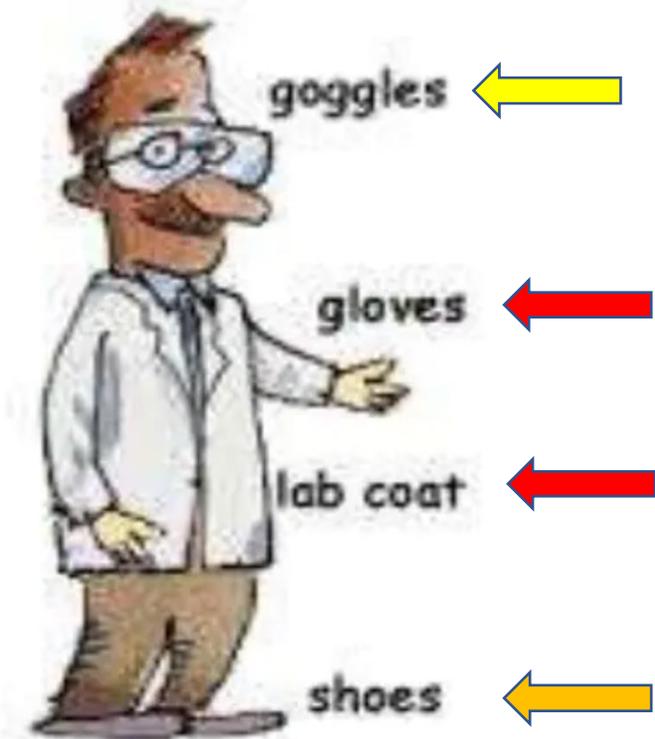




Lab Safety Rules

Lab Safety Rules

1-Wear protective clothing .



Protective clothes

- **Gloves** are essential.
- **Lab coats** are required.
- Safety glasses (**goggles**) may be required to avoid splashes.



Lab Safety Rules

Do NOT Wear:

- Jewelry
- Loose or Baggy clothing



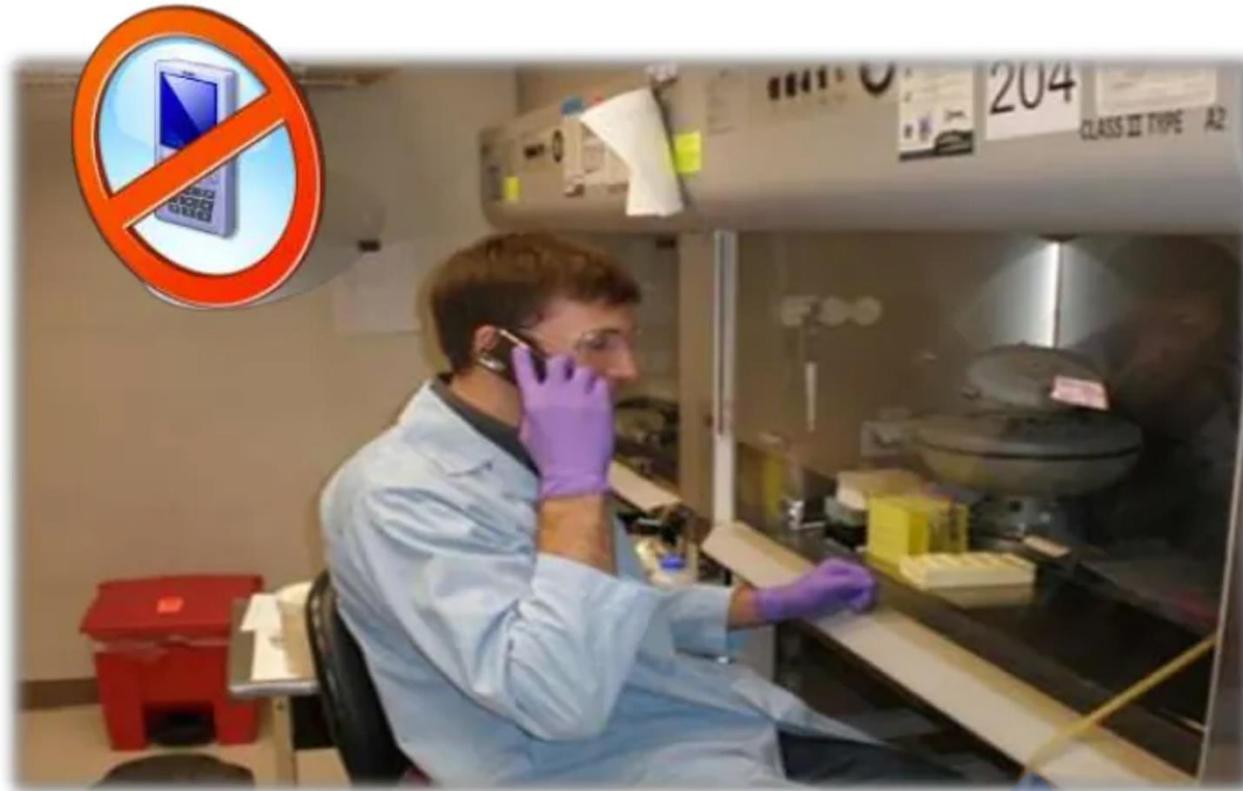
Lab Safety Rules

2-Laboratory personnel should not wear sandals



Lab Safety Rules

3-Avoid **touching** objects (e.g., pencils, cell phones, door handles) while wearing gloves.



4-Pencils, labels, or any other materials should never be placed in your mouth.



5-Caution must be taken when using gas burners. Be sure gas burners are turned off when finished.



Lab Safety Rules

6-Long hair must be tied back or covered to minimize fire hazard or contamination of experiments.



Lab Safety Rules

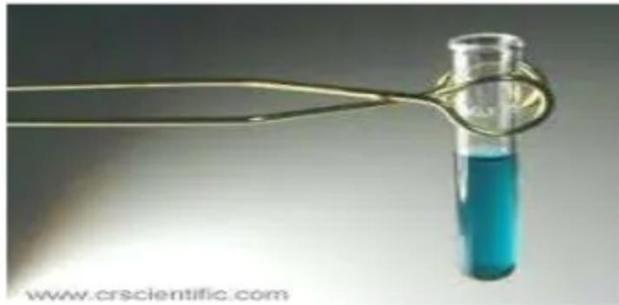
- 7- Do not eat food or drink water in the lab.
do not use lab glassware as food or water containers.



Lab Safety Rules

8- Protect your hands safety:

- wash hands after every lab.
- Handle glassware, sharp tools and heated containers carefully.



Lab Safety Rules

9- electrical safety:

- unplug electrical equipment after use.
- keep all electrical cords and wires away from water .



Lab Safety Rules

10- Chemical safety:

- never touch, taste or smell a chemical unless instructed to do so.
- never mix chemicals unless instructed to do so.
- keep lids on chemical containers when not in use.



Lab Safety Rules

12- Do not engage in practical jokes or horseplay in the lab.



Lab Safety Rules

13-Keep nonessential books and clothing far away from your work area.



Lab Safety Rules

14-Wipe the bench tops down with disinfectant both before you begin your work and after you have completed your work.



Lab Safety Rules

15- Dispose of waste products according to instructions.



Lab Safety Rules

16-Report all **accidents**, no matter how minor, to your supervisor!!



Lab Safety Equipment

- Fire Blanket



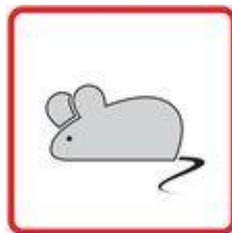
- Fire Extinguisher





Lab Safety Symbols

Lab Safety Symbols



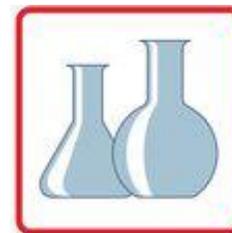
Animal hazard



Sharp instrument hazard



Heat hazard



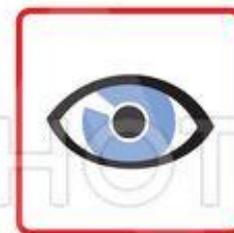
Glassware hazard



Chemical hazard



Electrical hazard



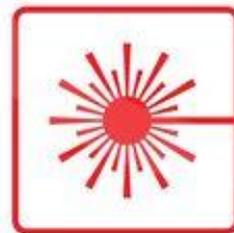
Eye & face hazard



Fire hazard



Biohazard



Laser radiation hazard



Radioactive hazard



Explosive hazard