



LAB SAFETY

María Paula Vélez R.



**Exploring, inventing,
and investigating are essential
for the study of science.**

SOME SAFETY ELEMENTS



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Shower



Eye wash

Gas



SAFETY RULES AT THE LAB



- Always get your teacher's **permission** before attempting any lab exploration.
- Always **wear clothing protection**.
- **Never run** inside the laboratory room.
- **Never eat or drink** any substance inside the laboratory room.

- Always **follow the safety symbols**.
- **Read the lab guides and procedures** carefully, pay particular attention to caution statements.
- **Identify the location of the nearest fire alarms** and any other safety equipment.



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- **Wear safety goggles** when working around chemicals, acids, bases, or any type of flame or heating device.



- **If any substance gets into your eyes, notify your teacher immediately**, and flush your eyes with running water, go to the nursery.

- During the practice, **keep your work area free** of all unnecessary books and papers.
- **Be careful with electrical cords.**
- **Never mix chemicals unless your teacher tells you to do so.**



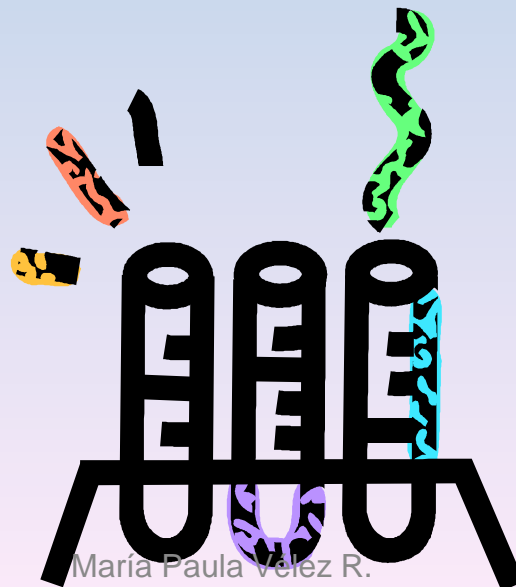
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- Never taste or smell any chemical substance.
- Be extra careful when using any glassware.
- Leave your place organized before you leave the lab.



CHEMICAL RISKS

- Many chemical substances produce reactions that might affect people, environment or produce damage to places.



SYMBOLS CAN SAVE YOUR LIFE



Poison

A substance that can lead to death if inhaled, ingested, or absorbed by the skin.



Flammable

Any substance that will burn if exposed to an open flame.



Irritant

A substance that causes inflammation upon contact with skin or mucous membranes.



Explosive

A substance that may explode if exposed to heat or flame.



Corrosive

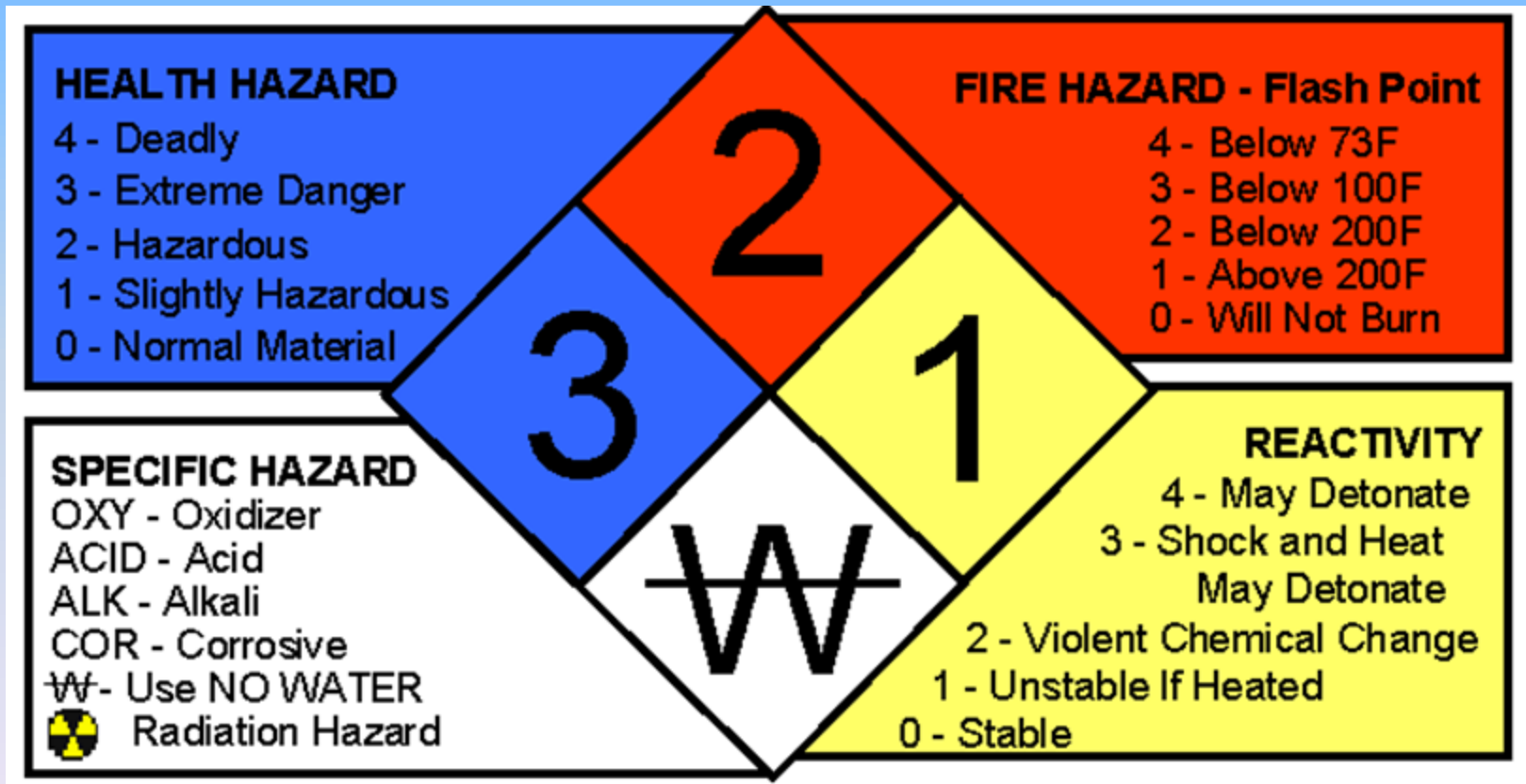
A substance that can destroy or burn living tissue and can eat away at other materials.



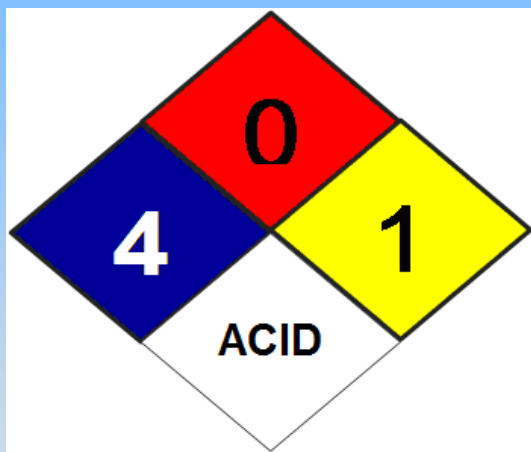
Environmental

Substances that are harmful to the environment. They must be disposed of properly, not washed down the drain.

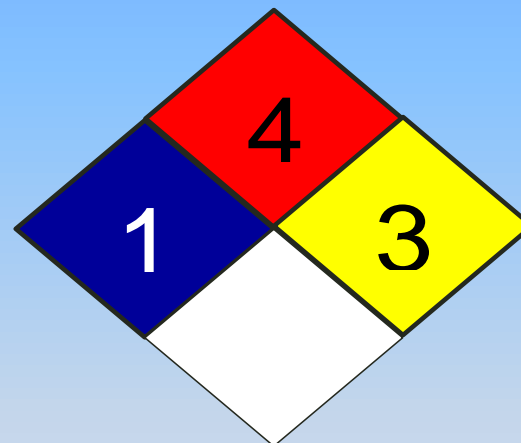
NFPA DIAMOND



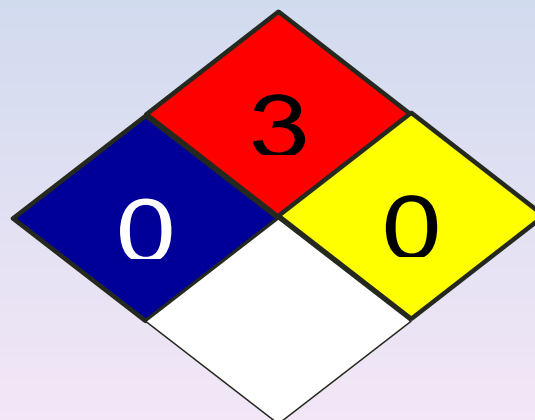
ACIDO FLUORHÍDRICO



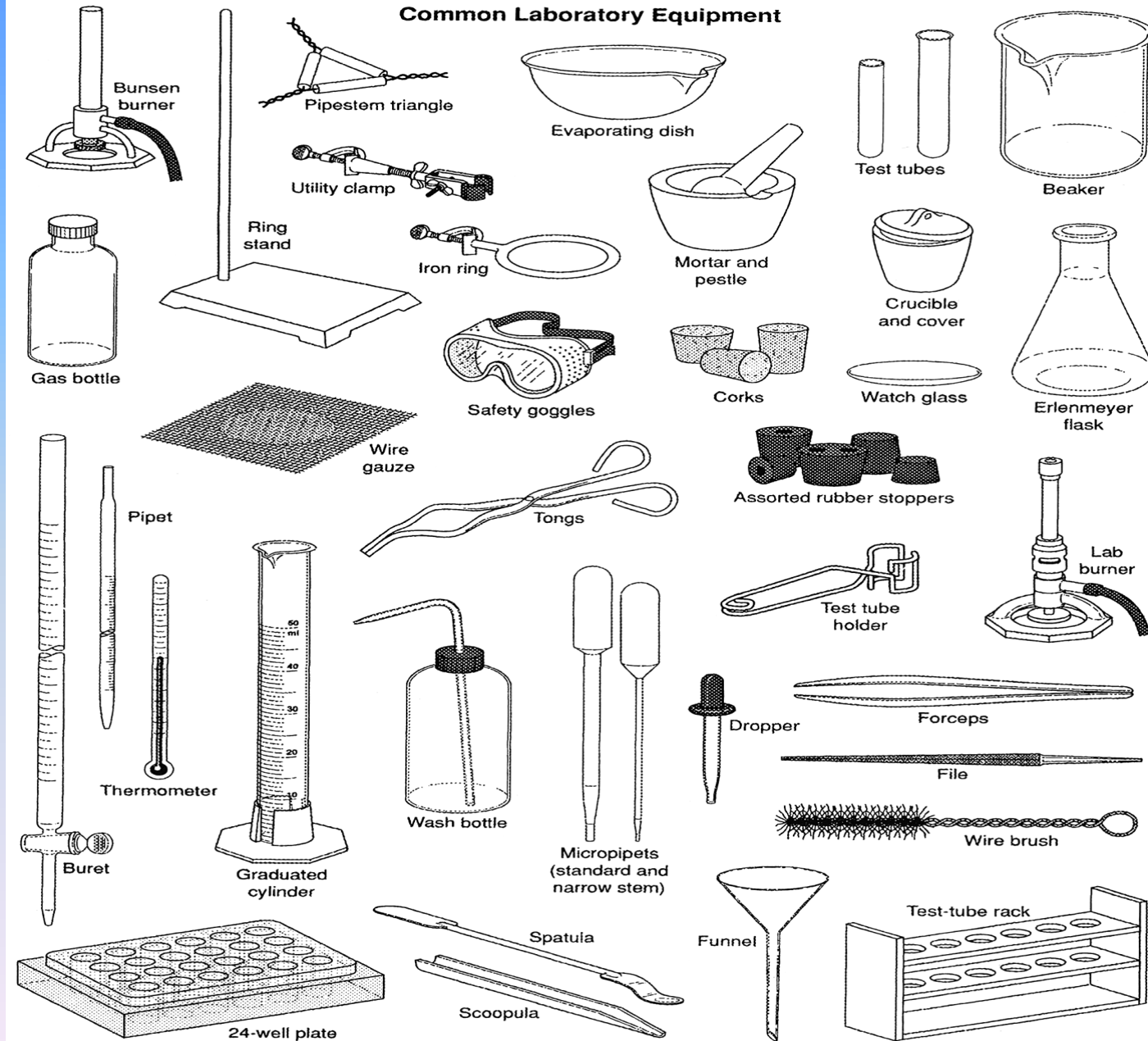
SUSTANCIA DESCONOCIDA



ETANOL



Common Laboratory Equipment



Lab equipment



microscope



balance



phmeter



stove



incubator



refrigerator