

Lab Safety: Everyone Is Responsible!

Safety In the Science Lab

Rules and Symbols



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Safety First

- Science is a hands-on laboratory class.
- You will be doing many laboratory activities, which require the use of hazardous chemicals and expensive lab equipment.
- Safety in the science classroom is the #1 priority.
- To ensure a safe science classroom, a list of rules has been developed and provided to you in your student safety contract.
- These rules must be followed at all times.
- A signed lab safety contract is required to participate in labs.



General Safety Guidelines

- Be Responsible at All Times. No horseplay, practical jokes, pranks, etc.
- Follow all instructions carefully.
- Do not play with lab equipment until instructed to do so.
- Food, drink, and gum are not allowed in the science classroom.

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General Safety Guidelines

- Keep the science room clean and organized.
- Notify the teacher immediately of any accidents or unsafe conditions in the science classroom!
- Wash your hands with soap and water after experiments.

Lab Safety: Everyone Is Responsible!

Safety Symbols



Eye Protection



- Wear safety goggles when working with chemicals, flames, or heating devices.
- If a chemical gets in your eye, flush in water for 15 minutes and notify the teacher.

Sharp Objects



- When using knives or other sharp objects always walk with the points facing down.
- Cut away from fingers and body.

Electrical Safety



- Do not place a cord where someone can trip over it.
- Never use electricity around water.
- Unplug all equipment before leaving the room.

Safety Symbols

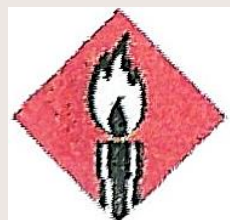


Animal Safety



- Only handle living organisms with teacher permission.
- Always treat living organisms humanely.
- Wash your hands after handling animals.

Heating Safety



- Tie back hair and loose clothes when working with open flames.
- Never look into a container as you are heating it.
- Heated metal and glass looks cool, use tongs or gloves before handling.
- Never leave a heat source unattended.

Safety Symbols

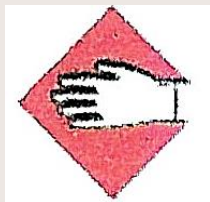


Chemical Safety



- Read all labels twice before removing a chemical from the container.
- Never touch, taste, or smell a chemical unless instructed by the teacher.
- Transfer chemicals carefully!

Hand Safety



- If a chemical spills on your skin, notify the teacher and rinse with water for 15 minutes.
- Carry glassware carefully.

Plant Safety



- Do not eat any plants in lab.
- Wash your hands after handling plants.



Safety Equipment



- Fire Blanket – Located in back of classroom in the red container
- Fire Extinguisher – Located in outside classroom door

To operate the fire extinguisher remember **P-A-S-S**

P- Pull the Pin

A-Aim the hose at the base of the fire from 5-6 feet away.

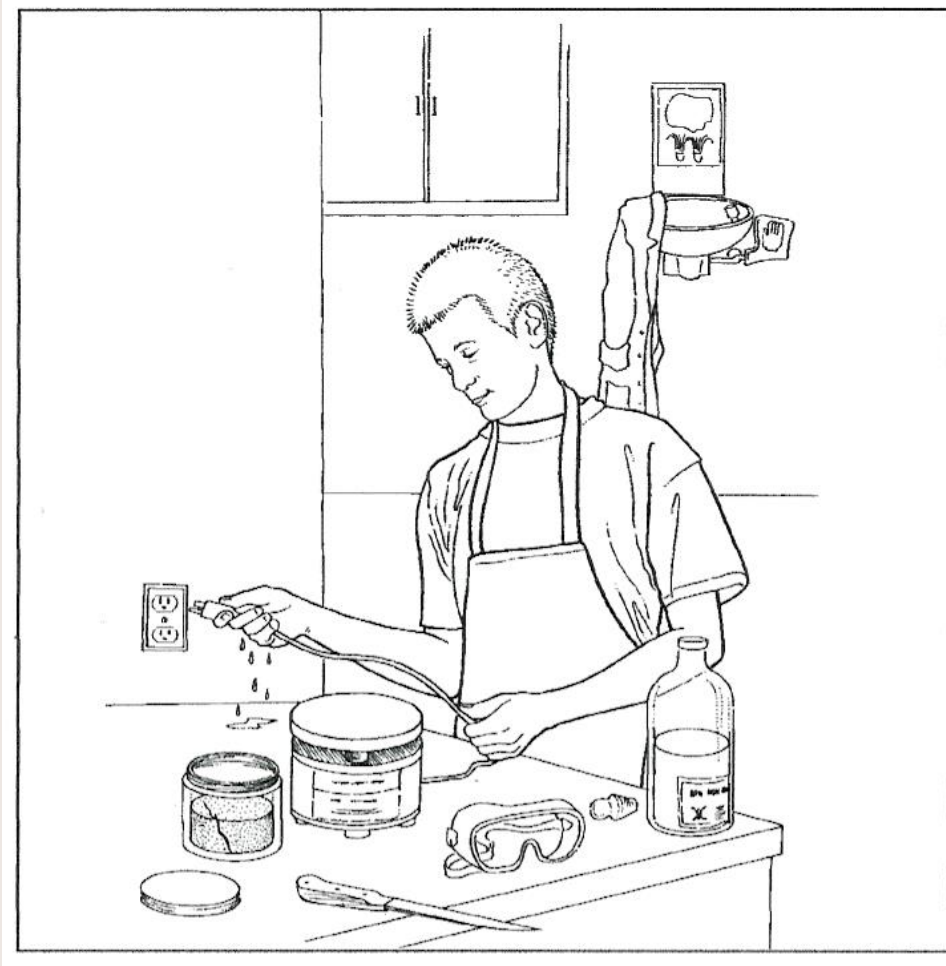
S-Squeeze the handle.

S-Sweep the hose back and forth across the fire.

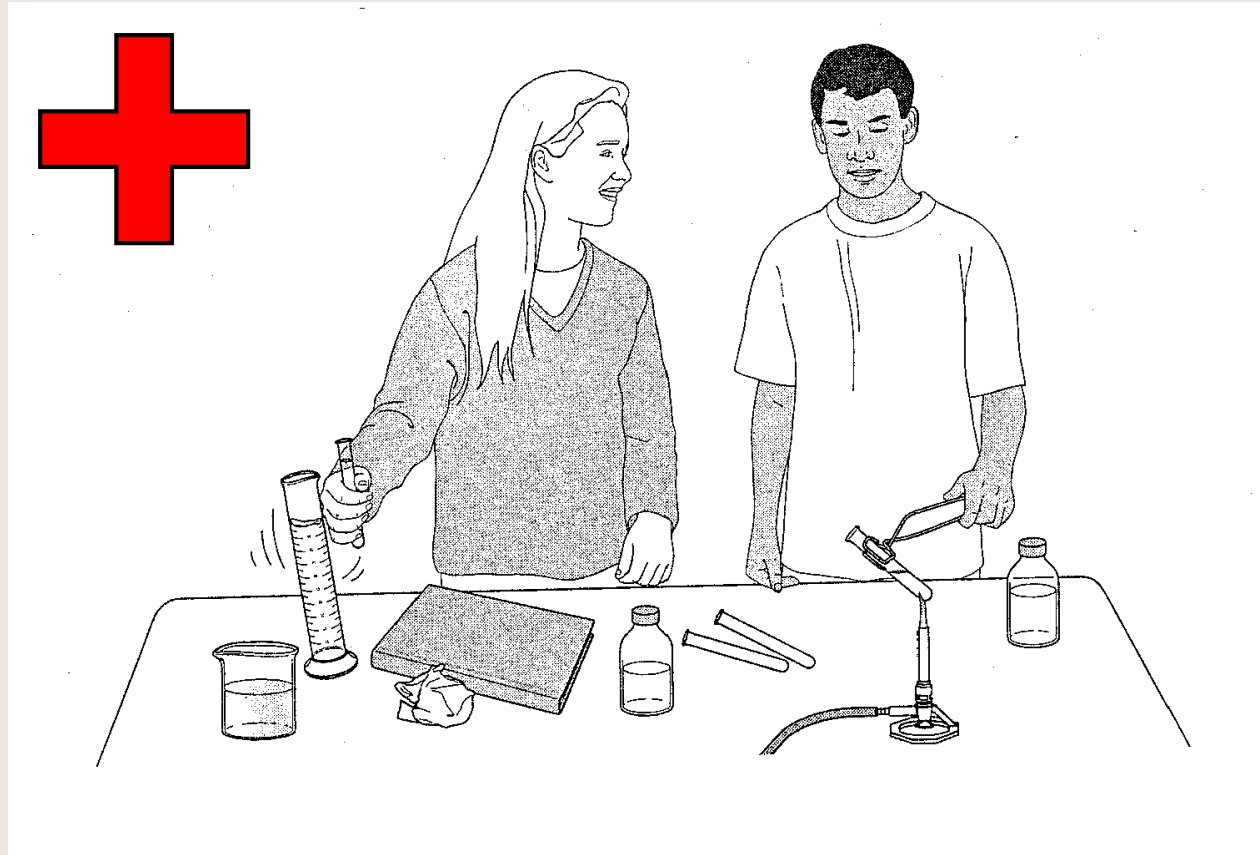
On Fire?

REMEMBER: Stop, Drop, & Roll

What's Wrong With This Picture?



What's Wrong With This Picture?



What's Wrong With This Picture?





What's Wrong With These Statements?

- Hal says that his teacher is solely responsible for preventing laboratory accidents.
- Keshia started the lab activity before reading it through completely.
- Ricardo decided to do a lab activity that he read about in a library book before the teacher came into the classroom.
- Stephanie says that the safety goggles mess up her hair and give her raccoon eyes. She refuses to wear them.
- Barbie and Ken accidentally break a beaker full of some chemical. Instead of risking getting in trouble they quickly clean up the mess with paper towel and throw it in the garbage.

What To Do In An Emergency

If there is a fire or fire alarm

- Quietly get up and push in your chair.
- Walk toward the classroom door.
- Walk to the front of the school.
- Quickly line up in alphabetical order by last name.
- Remain in line until the drill is over.
- Remain silent throughout the entire alarm so that all people can hear important directions.



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Any Questions?



REMEMBER:

- Carefully read through the entire safety contract and sign.
- Have your parents read and sign your safety contract.
- Study for the safety quiz later this week!