

Laboratory Safety Symbols and Rules



Electrical Hazard



Combustible Materials



No Open Flames



Corrosive Materials



Flammable Symbol



Fire Extinguisher



Toxic Chemical



Non-potable water



Environment Hazard



Eyewash Sign



Recycling Sign



Toxic Materials Sign



Explosive Materials Sign



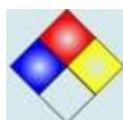
Flammable Sign



Radioactive Sign



Biohazard Sign



Chemistry Hazard Label

General Safety Rules:

1. Read all directions for an experiment and follow the directions exactly as they are written. If in doubt, ask the teacher.
2. Never perform experiments that are not authorized by your teacher. Always obtain permission before experimenting on your own.
3. Never handle any equipment unless you have specific permission.
4. Take care not to spill any materials in the lab. If a spill occurs, ask your teacher immediately about the proper clean-up procedure.
5. Dispose of all material according to the teacher's instructions. Never empty materials into the sink or trash can.
6. Never eat in the laboratory. Wash your hands before and after each experiment.
7. Never horse play or run in the laboratory. This will earn you a zero and dismissal from the lab.
8. Know the location and function of all laboratory safety equipment.

Laboratory Dress Code:

1. Always wear goggles and aprons anytime sharp instruments or chemicals are used in the laboratory.
2. Tie back long hair and loose clothing when performing laboratory experiments involving open flames.
3. Remove jewelry before lab activities.
4. Always wear closed-toed shoes in the laboratory.

First Aid:

1. Report all accidents to the teacher immediately.
2. Apply direct pressure to any severe cuts to stop the bleeding
3. Know the location of the first aid kit
4. Know the location and use of the fire blanket.

Heating and Fire Safety:

1. Never reach across an open flame.
2. Know how to light and extinguish the Bunsen burner, never leave a burner unattended.
3. Point the test tube or bottle away from you and others when being heated, chemicals can rapidly boil out of the container.
4. Never heat a liquid in a closed container.
5. Always use a clamp or tongs when handling hot containers.

Chemical Safety:

1. Never touch, taste, or smell, any questionable chemicals in the laboratory without the teacher's permission.
2. Only as instructed by the teacher, gently wave your hand over the opening of a container toward your nose. Do not inhale fumes directly from the container.
3. Keep all lids to chemicals closed.
4. Dispose of all chemicals as instructed by your teacher.
5. Pour acids and bases over a sink incase of spillage.
6. Never pour water into an acid, pour the acid into the water.
7. Never eat or drink from any laboratory glassware.
8. Never use chipped or broken glassware, cuts and scratches can occur.

Electrical Safety:

1. Make sure electronic equipment is OFF when plugging or unplugging from an outlet.
2. Make sure the work area for electrical equipment is clean and dry.
3. Do not "daisy-chain" electrical power cords.
4. Inspect power cords for cuts or abrasions that reveal bare copper wire.
5. Be very aware of the location of power cords to avoid tripping and damage to persons.

End of Laboratory activity rules:

1. Clean all laboratory equipment and return to their locations
2. Unplug and store properly any electrical device.
3. Wash your hands after every experiment.
4. Extinguish all candles and burners and the conclusion of the lab activity.
5. Turn off all gas lines to the Bunsen burners.

Be safe, enjoy, and follow the lab rules!