

Lab Safety Rules

General Safety Rules

1. instructions carefully before attempting to do anything.
2. Wear to protect your eyes from chemicals, heated materials, or things that might be able to shatter.
3. if any spills or accidents occur.
4. After handling chemicals, always with soap and water.
5. During lab work,
6. Tie back
7. Roll up
8. Know the of the fire extinguisher, fire blanket, eyewash station, and first aid kit.
9. Keep your . Take to the lab station only what is necessary.
10. It is suggested that you wear rather than contact lenses.
11. Never put anything into your during a lab experiment.
12. your lab area at the conclusion of the laboratory period.
13. or play practical jokes in the laboratory.

Glassware Safety

1. should not be used. Show it to the teacher.
2. should not be disposed of in a classroom trashcan. There is a container for it.
3. When make sure the container you are pouring into is resting on a table at least a hands breadth from the edge.
4. Pour down a to prevent liquids from splattering.
5. If a piece of glassware gets broken, do not try to clean it up by yourself.
6. When into a rubber stopper, apply a lubricant like to the glass and use a twisting motion.
7. Do not place in water. Rapid cooling may make it shatter.

Chemical Safety

1. Wear and a lab apron whenever heating or pouring hazardous chemicals.
2. Never together unless you are told to do so (and then only in the manner specified).
3. any chemicals (you should never taste anything in the lab).
4. If you need to smell the odor of a chemical, toward your nose with one hand. Do not put your nose over the container and inhale the fumes.
5. Never pour water into a concentrated acid. Acid
6. of your teacher when disposing of all chemicals.
7. after handling hazardous chemicals.

Electrical Safety

1. Lay where no one can trip on them or get caught in them.
2. Be sure your before using electrical equipment.
3. Never poke anything into
4. Unplug cords by and not the cord.
5. Unplug all electrical equipment at the

Heating Safety

1. Let down before touching them. Test to see if they are cool enough by bringing the back of your hand close to them.
2. Use to handle hot objects.
3. Never reach across an or burner.
4. The only type of glassware that may safely be heated is either
5. Always point the that are being heated from people.
6. When heating a test tube, around slowly over the flame to distribute the heat evenly.
7. Only glassware that is thoroughly
8. Heat glassware by placing it on a wire gauze . Do not hold it in your hand.

9. , wait until the striker is in place before you turn on the gas.
10. The by the air supply valve below the tube of the burner. This regulates the flame temperature and color.
11. Never leave a

First Aid

- **Injury: Burns**

Immediately _____ until burning sensation is lessened.

- **Injury: Cuts, bruises**

Do not touch an open wound without safety gloves.
in a few minutes. Apply cold compress to bruises to reduce swelling.

- **Injury: Fainting**

Provide _____ air and have the person recline so that their head is _____ than the rest of their body.

- **Injury: Eyes**

immediately with plenty of water for several minutes. If a foreign object is lodged in the eye, do not allow the eye to be rubbed.

- **Injury: Poisoning**

Find out what substance was responsible for the poisoning and

- **Injury: Spills on the skin**

with large quantities of water. For _____, apply baking soda solution. For _____ spills, apply vinegar or boric acid.

- **Injury: Electrical shock**

the current at the source. Remove wire with _____ teacher immediately. Alert the _____.