

Science Lab Safety



By

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Science Lab Safety



- Fire Safety
- Eye Protection
- Chemical Safety
- Personal Safety Precautions
- Laboratory Techniques
- Laboratory Environment

Fire Safety

- If a fire erupts, notify your teacher at once
- Never dispense or use flammable materials near a flame
- Know the location of the fire extinguisher, fire blanket, exits and alarm



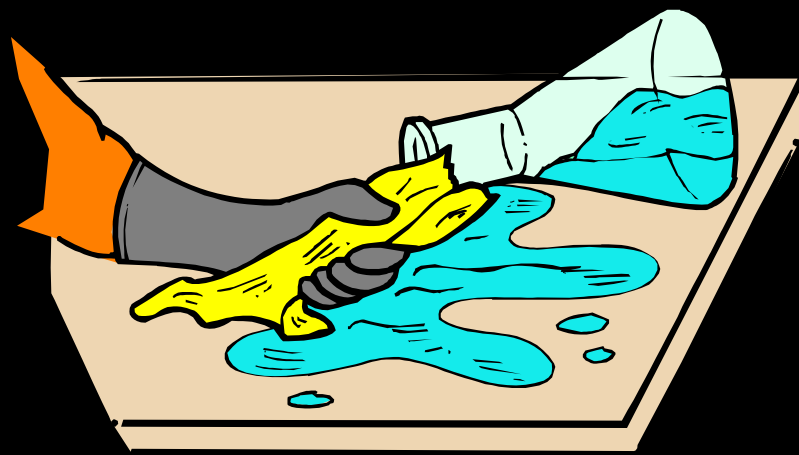
Eye Protection

- Please wear your goggles
- Know the location of the eye wash station and how to use it
- Wear your Goggles
- Consult with your instructor about your use of contact lenses
- **WEAR YOUR GOGGLES!!!!**



Chemical Safety

- Always report spills to your teacher
- Clean up spills right away
- Immediately clean up spills on skin or clothing with soap and water



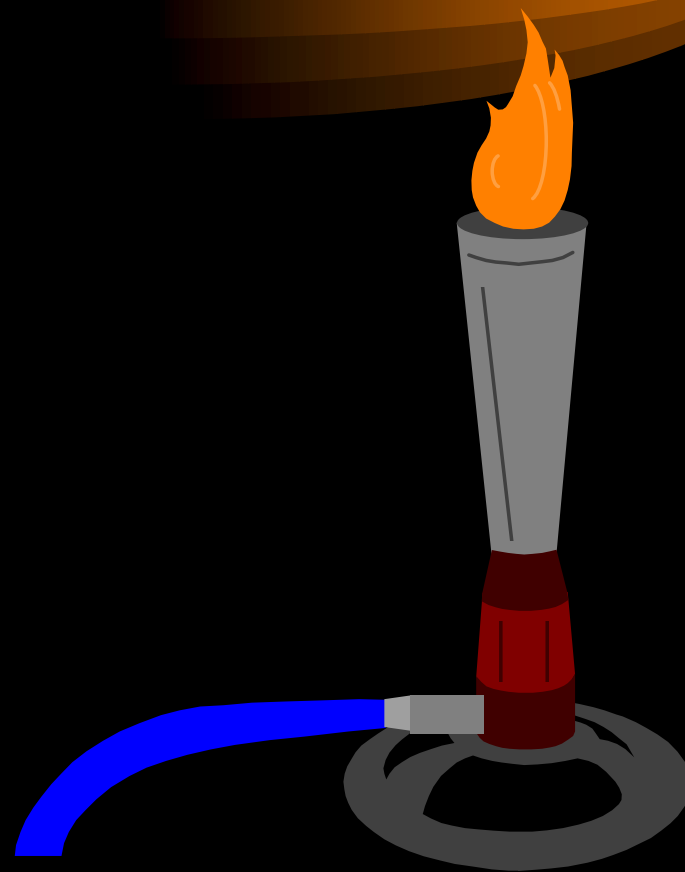
Chemical Safety

- Neutralize acid with sodium bicarbonate
- Neutralize bases with acetic acid (vinegar)
- Never take chemicals out of the lab



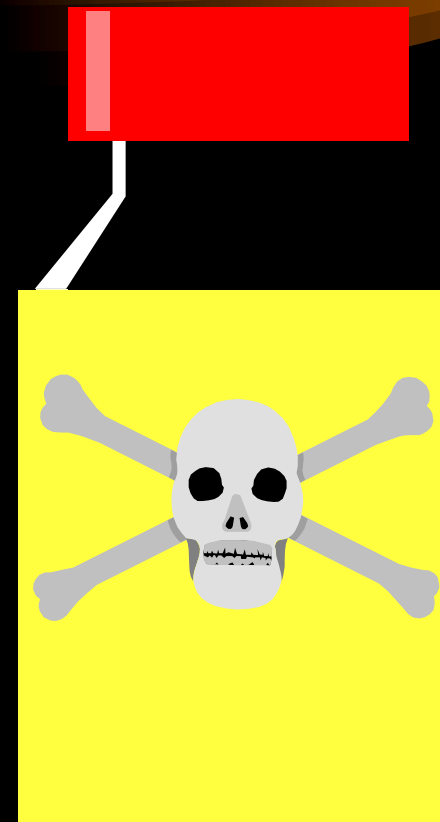
Personal Safety Precautions

- Report ALL injuries to your teacher right away, no matter how trivial
- Confine long hair and loose clothing
- Wear shoes that cover your feet
- Never take lab equipment out of the lab



Personal Safety Precautions

- Wash your hands with soap and water when lab is over
- Never engage in horseplay or practical jokes in the laboratory
- Food, gum, candy and drinks are not allowed in the laboratory



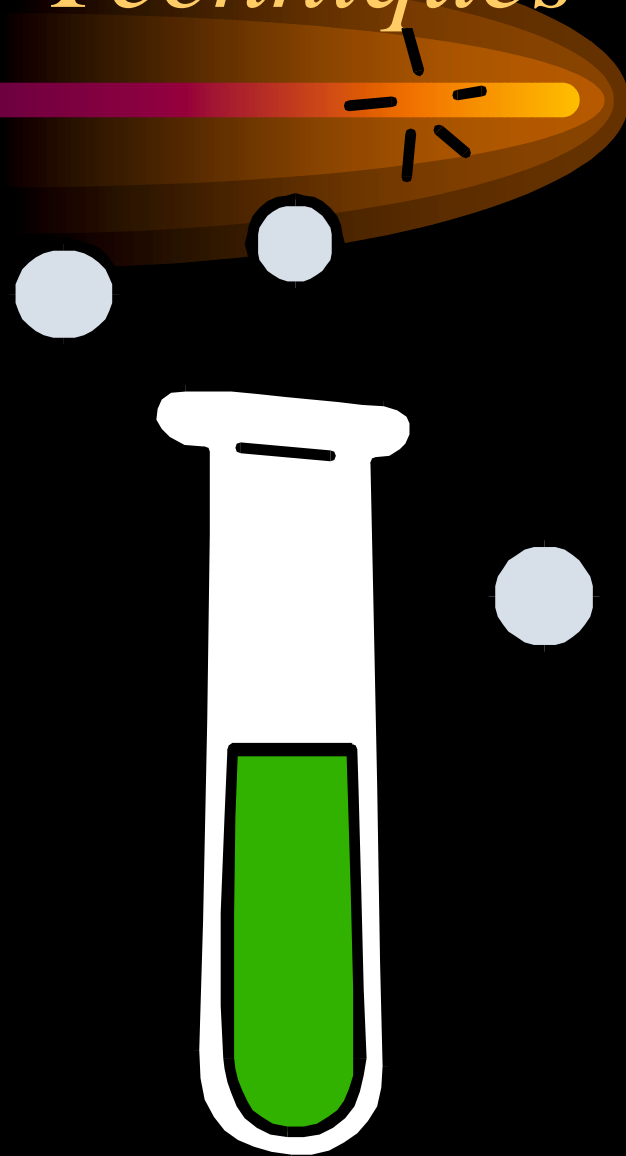
Personal Safety Precautions

- Never taste anything in lab unless specifically instructed to do so by your teacher
- If you develop a headache or start to feel sick, tell your teacher at once
- Know the location of the first aid kit



Laboratory Techniques

- Never point the open end of a test tube that is being heated towards another person
- **WAIT!!** Hot glass looks the same as cool glass
- Always read and follow directions



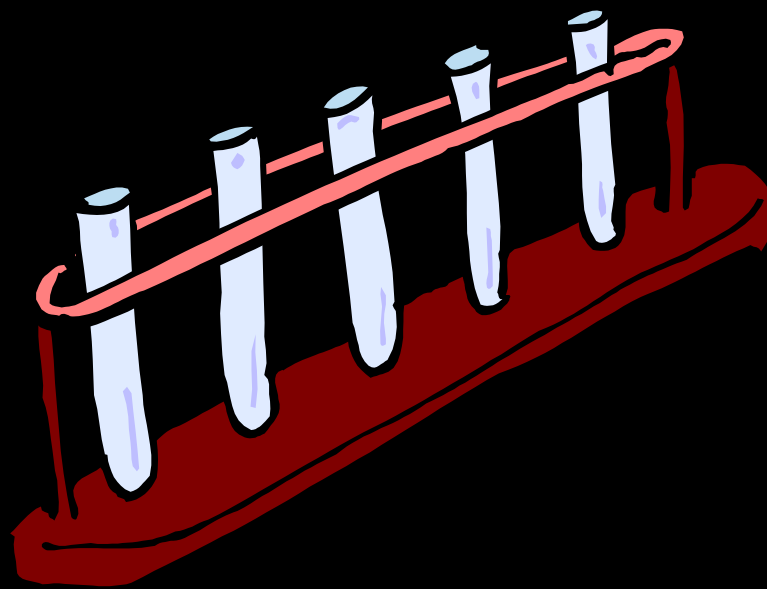
Laboratory Techniques

- Avoid inhaling chemical fumes
- Avoid filling pipets by using your mouth
- Consider ALL chemicals dangerous unless they are known to be otherwise



Laboratory Techniques

- Unauthorized experiments are prohibited
- Do not use the sink to discard matches, filter paper or insoluble solids. Use the waste jars and buckets that are provided



Laboratory Techniques

- Do not return chemicals to their original containers unless you are specifically instructed to do so
- Always add acid to water (**AA**)



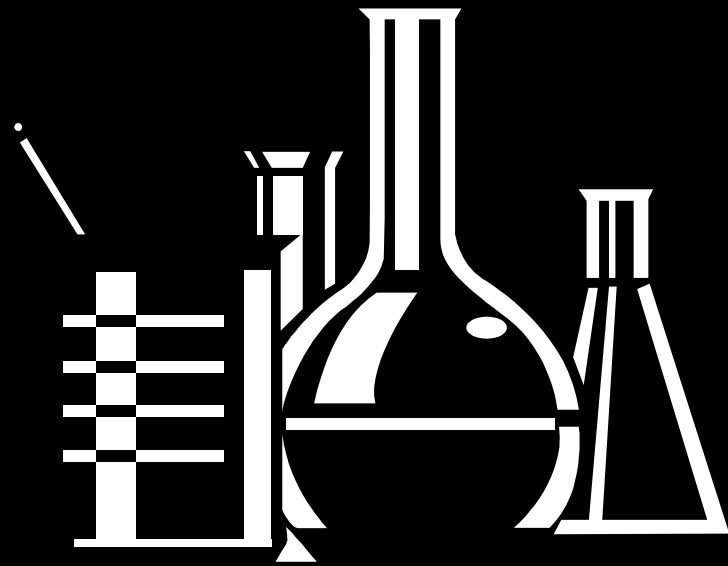
Laboratory Techniques

- Before you touch an electrical outlet, plug or switch your hands must be dry
- If a piece of equipment is not working properly, stop, turn it off, and tell your teacher



Laboratory Environment

- All laboratory floors and aisles should be kept clear of equipment, chemicals and textbooks
- Cleaning up the laboratory is the responsibility of all students



The End



Laboratory Safety Rules

1. Wear proper eye protection at all times during laboratory activity. Consult with your instructor about your use of contact lenses. Know the location of eye wash equipment.
2. Confine or securely tie hair that reaches to shoulders. Remember hair is very flammable!

Laboratory Safety Rules

3. Do NOT eat, drink or chew gum in the lab. Dangerous chemicals may get in your mouth! Never taste anything in the lab unless specifically instructed to do so by your teacher. No chemicals are ever to be taken from the lab.
4. Do only the experiments assigned and in the manner prescribed. Unauthorized experiments are prohibited.

Laboratory Safety Rules

5. Never engage in horseplay or practical jokes.
6. Footwear must completely cover the foot.
7. Avoid inhaling chemical fumes; avoid filling pipets by using your mouth; consider ALL chemicals dangerous unless they are known to be otherwise.

Laboratory Safety Rules

8. The teacher is to be notified immediately in case of an accident, no matter how trivial it may appear.
9. Know the locations of fire extinguisher, fire blanket, eye wash and first aid kit.
10. Notify instructor immediately of any spills on your clothing.

Laboratory Safety Rules

11. Do not use the sink to discard matches, filter paper or insoluble solids. Use the waste jars and buckets that are provided.
12. Do not return chemicals to their original containers unless you are specifically instructed to do so.
13. Never point the open end of a test tube that is being heated at yourself or others.

Laboratory Safety Rules



14. Always add acid to water (**AA**).