

AMSAT CHEM IH TOPIC#1

LAB SAFETY/ LAB PROCEDURES NOTES















TABLE OF CONTENTS

1. [Safety in the Lab](#)
2. [Lab Equipment](#)

SAFETY IN THE LAB SECTION#1

- Ten most important rules for safe conduct in the chemistry laboratory.
 - Follow your teacher's instructions.
 - Notify your teacher of any problems.
 - Know how to use the safety equipment in the laboratory.
 - Wear approved safety goggles.
 - If you have long hair, tie it back.
 - Avoid awkward transfer of chemicals.
 - If it is hot, let it cool.
 - Carry chemicals with caution.
 - Dispose of chemical wastes properly.
 - Clean up afterward
- Safety Equipment
 - Fire extinguisher
 - Fire blanket
 - Eye wash
 - Shower
 - Baking soda
 - Citric acid (vinegar)
 - Fire alarm
 - Goggles
 - Lab apron

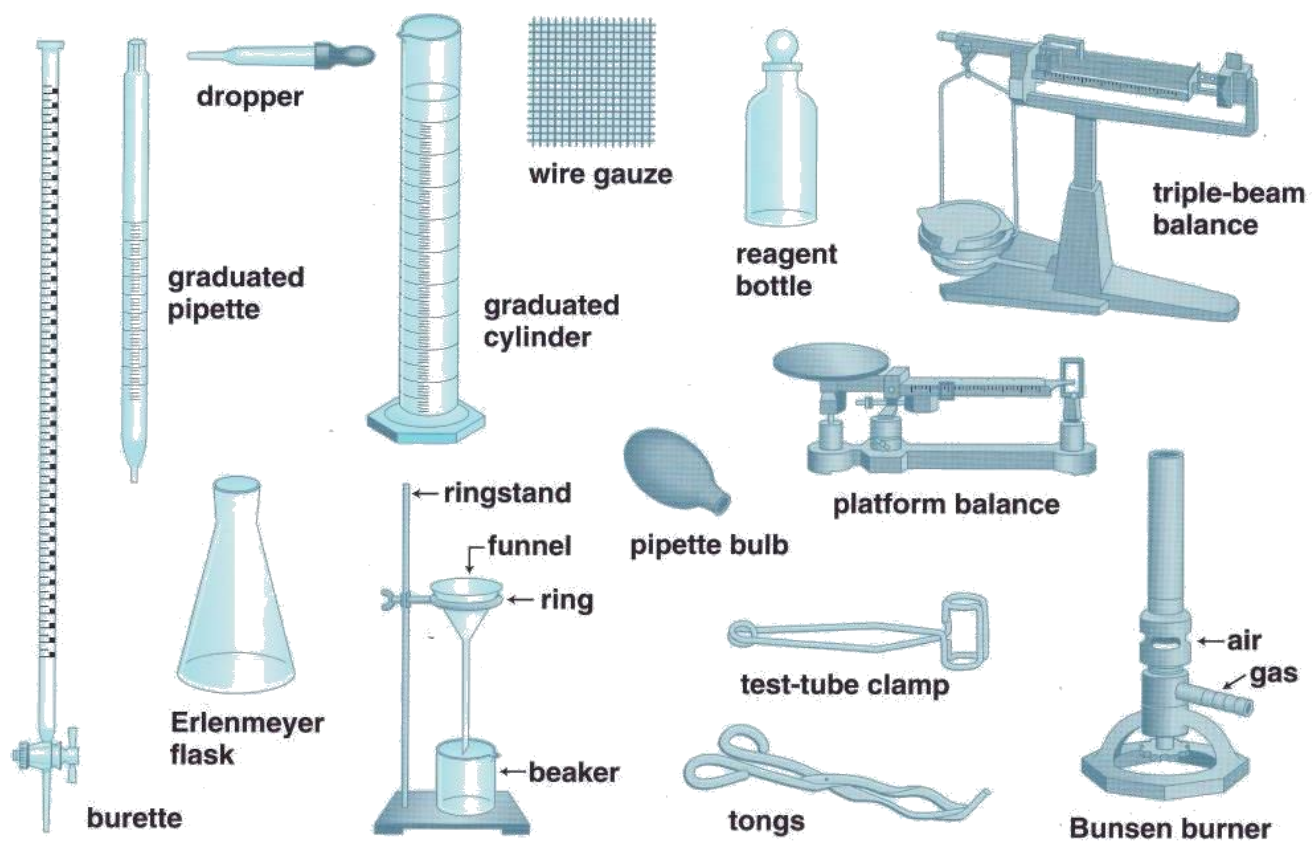
- Safety symbols

 <p>SAFETY CLOTHING This symbol is to remind you to wear a laboratory apron over your street clothes to protect your skin and clothing from spills.</p>	 <p>DANGEROUS VAPORS This symbol indicates the presence of or production of poisonous or noxious vapors. <i>Use the fume hood</i> when directed to do so. Care should be taken not to inhale vapors directly. When testing an odor, use a wafting motion to direct the vapor toward your nose.</p>
 <p>SAFETY GOGGLES This symbol is to remind you that safety goggles are to be worn <i>at all times</i> when working in the laboratory. For some activities, your teacher may also instruct you to wear protective gloves.</p>	 <p>EXPLOSION This symbol indicates that the potential for an explosive situation is present. When you see this symbol, read the instructions carefully and <i>follow them exactly</i>.</p>
 <p>GLOVES This symbol is to remind you to wear gloves to protect your hands from contact with corrosive substances, broken glass, or hot objects.</p>	 <p>POISON This symbol indicates the presence of a poisonous substance. Do not let such a substance come in contact with your skin and do not inhale its vapors.</p>
 <p>HEATING This symbol indicates that you should be careful not to touch hot objects with your bare hands. Use either tongs or heat-proof gloves to pick up hot objects.</p>	 <p>ELECTRICAL SHOCK This symbol indicates that the potential for an electrical shock exists. Read all instructions carefully. Disconnect all apparatus when not in use.</p>
 <p>FIRE This symbol indicates the presence of an open flame. Loose hair should be tied back or covered, and bulky or loose clothing should be secured in some manner.</p>	 <p>RADIATION This symbol indicates a radioactive substance. Follow your teacher's instructions as to proper handling of such substances.</p>
 <p>CORROSIVE SUBSTANCE This symbol indicates a caustic or corrosive substance—most frequently an acid. Avoid contact with skin, eyes, and clothing. Do not inhale vapors.</p>	 <p>DISPOSAL This symbol indicates that a chemical should be disposed of in a special way. Dispose of these chemicals as directed by your teacher.</p>
 <p>BREAKAGE This symbol indicates an activity in which the likelihood of breakage is greater than usual, such as working with glass tubing, funnels, and so forth.</p>	 <p>HYGIENE This symbol is to remind you to always wash your hands after completing a laboratory investigation. Never touch your face or eyes during a laboratory investigation.</p>

Eye Protection Required		Heat Precaution	
Clothing Protection Required		Glassware Safety	
Hand Protection Required		Laboratory Hygiene	
Chemical Safety		Sharp Object Hazard	
Caustic Substance		Waste Disposal	

LAB EQUIPMENT SECTION#2

- Basic Lab Equipment



[Home](#)