

# Lab Information & Safety Sheet



## Conduct

1. For safety reasons, there will be absolutely no disruptive behavior permitted in the lab.
2. You will be working with materials that are hazardous. Handle them carefully, and do NOT experiment on your own.
3. Eating and drinking in the lab are strictly prohibited due to safety reasons.
4. Never taste anything, and do not directly inhale vapors while working in the lab.
5. Safety glasses/goggles must be worn at all times in the lab.
6. Long hair must be tied back when using open flames.
7. Do not leave burners unattended.
8. Do not sit on the tables or on the floor in the lab.
9. Learn where the safety and first-aid equipment is located. This includes fire extinguishers, sinks, and eye-wash stations. If chemicals come in contact with your skin or eyes, immediately flush with large amounts of water.
10. Notify the teacher immediately in case of an accident.

## Materials

1. You are responsible for all items in your lab drawer.
2. At the end of each lab, clean the glassware thoroughly and return equipment to the proper location.

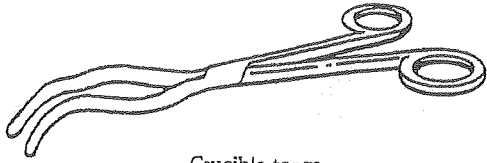
## Lab Activities / Reports

1. Some labs will be done individually, while others will be done with partners. You will be permitted to choose your own lab partner; pick a responsible one.
2. There are two types of lab reports:
  - a. Regular Lab Reports – (Lab Handout) – Due the day after the lab activity.
  - b. Major Lab Reports – (See Below) – Due 1 week after the lab activity.

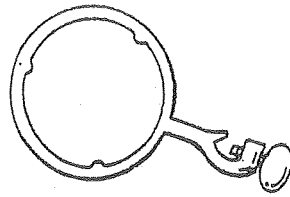
You will be required to do \_\_\_\_\_ major lab reports during this course.

*Major Lab Reports must contain the following:*

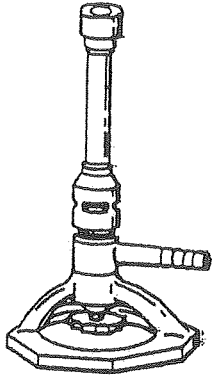
- A. Title – Use a descriptive title.
- B. Purpose – Write a brief statement about the experiment (what you are doing & why).
- C. Materials – List ALL materials including chemicals and equipment.
- D. Procedures – Write the steps of the experiment in your own words. Put enough direction in this part so that you may be able to repeat the experiment without a lab sheet.
- E. Data / Calculations – Every piece of data and every calculation must be shown here.
- F. Discussion – Answer ALL of the questions from the lab handout in a discussion format (do not list the questions), and also state what you learned by doing this lab.



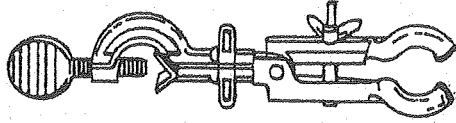
Crucible tongs



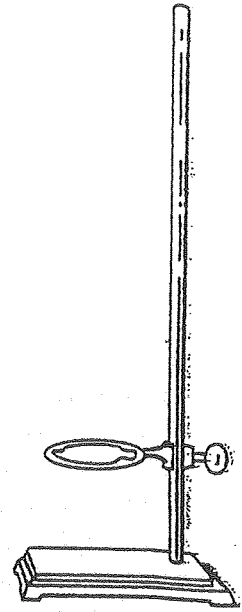
Ring support



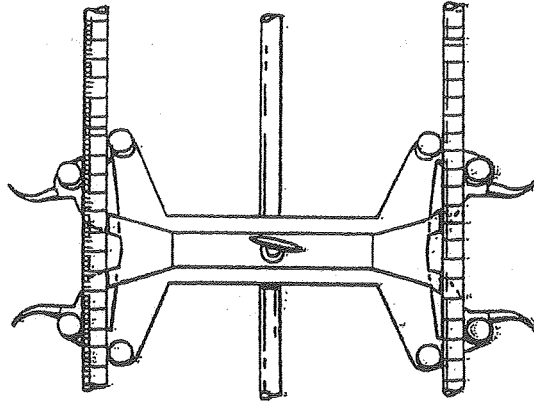
Bunsen burner  
(Tirill type)



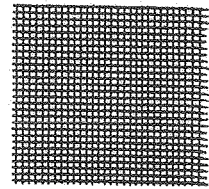
Utility clamp



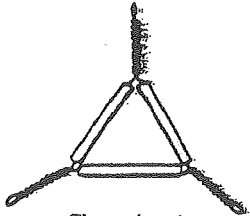
Ring stand



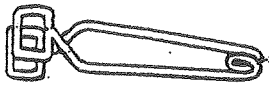
Buret clamp



Wire gauze



Clay triangle



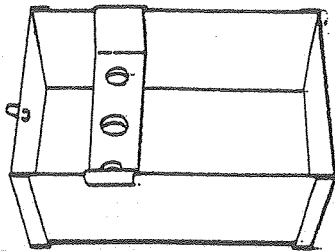
Test tube holder



Scoopula



Evaporating dish

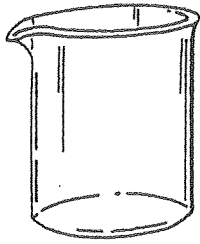


Pneumatic trough

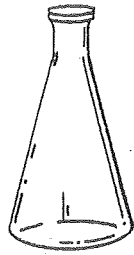


Watch glass

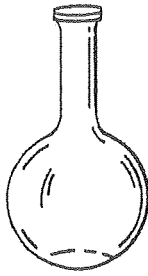
COMMONLY USED LABORATORY EQUIPMENT



Beaker



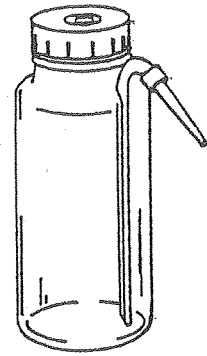
Erlenmeyer flask



Florence flask



Graduated cylinder



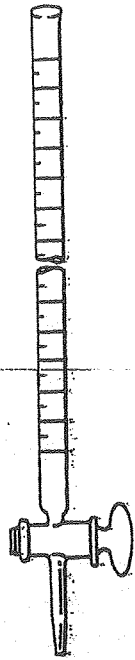
Wash bottle



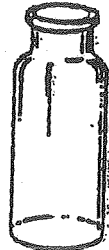
FOREEPCS



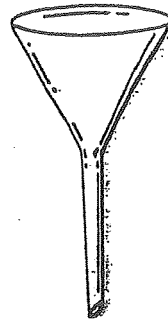
Test tube



Buret



WIDE-MOUTH BOTTLE



Funnel



GLASS PLATE



IGNITOR



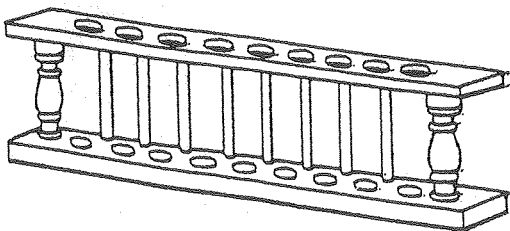
MORTAR + PESTLE



WING TOP



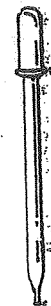
Test tube brush



Test tube rack



Crucible and cover



Medicine dropper



Deflagration spoon

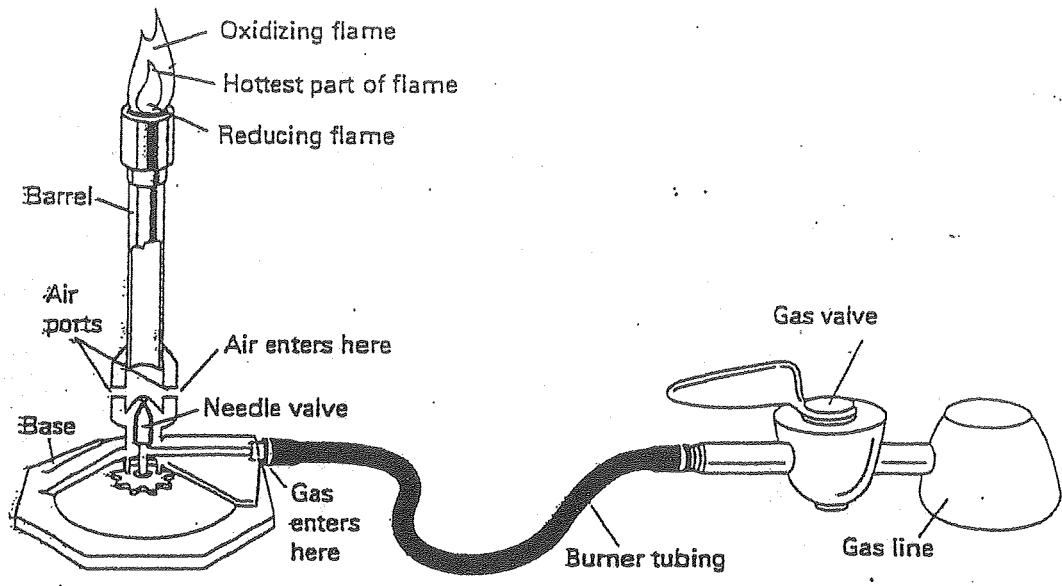


FIGURE A

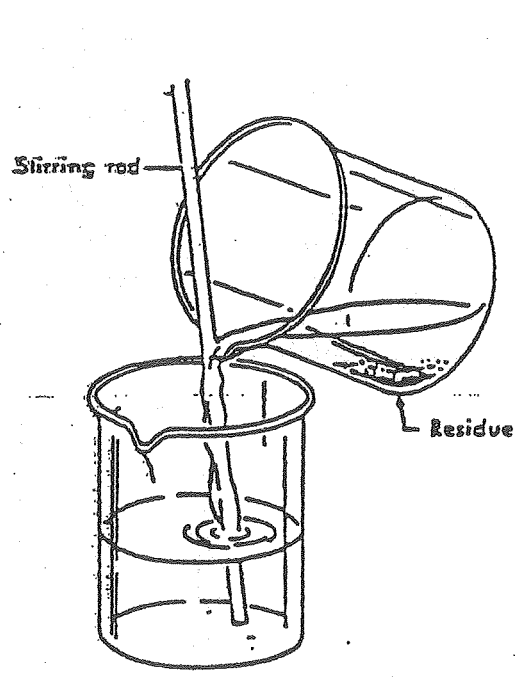
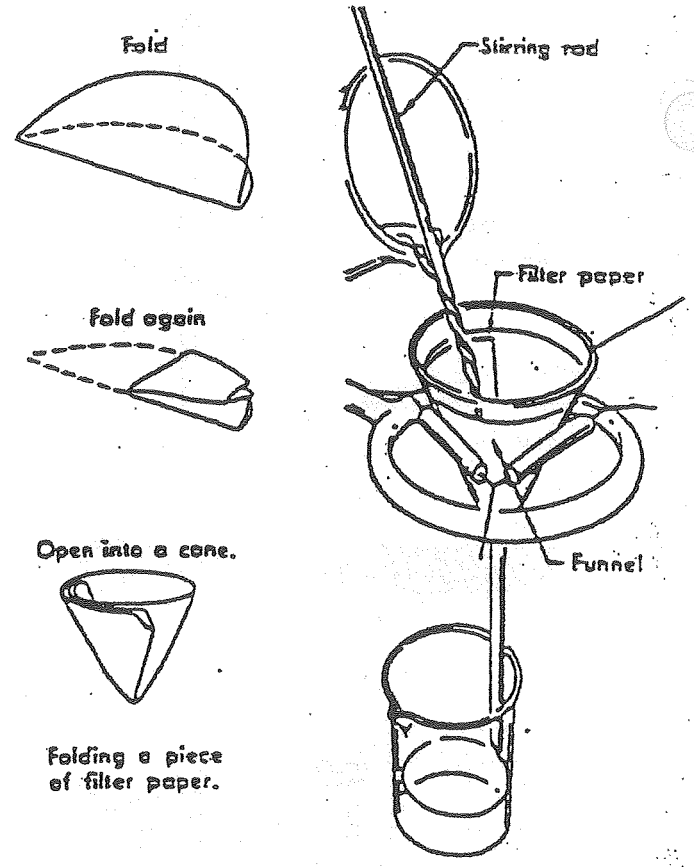


FIGURE E. Decanting a liquid from the precipitate.



Folding a piece of filter paper.

FIGURE C

FIGURE D