

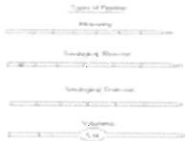
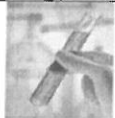





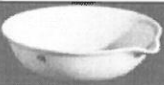




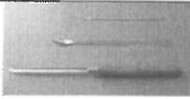







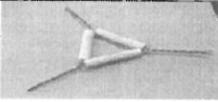


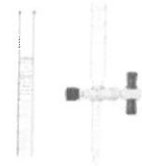

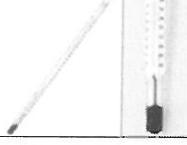



# Lab Equipment List

Some items will not be drawn instead, their location will be listed.

Name of equipment	Sketch of equipment or location in room	Description of use:
1. Erlenmeyer flask		Erlenmeyer flasks are <u>used to mix chemicals</u> . We do not rely on the graduated markings on the side of the flask. You swirl the flask gently to mix the contents.
2. graduated cylinder		<u>measure precise volumes of liquids</u> . You read the meniscus of the liquid, and record measurement to <i>one place beyond</i> where the scale is written.
3. pipette		A <u>pipette measures precise volumes of liquid, usually less than 25 mL</u> . You estimate the last digit by reading one place beyond what is written on the pipette.
4. test tube		A test tube is an elongated piece of glass <u>in which someone performs a reaction</u> . They are also used to <u>hold liquids</u> until later use.
5. test tube rack		A test tube rack <u>holds test tubes</u> .
6. beaker		A beaker <u>holds liquids</u> . We can mix liquids in a beaker by placing a magnetic stir bar inside the beaker and by putting the beaker on a magnetic stirrer. We can also stir with a glass rod. <u>Do not rely on the graduations on the side of the beaker for accuracy!</u>
7. test tube brush		A test tube brush is <u>used to clean test tubes, graduated cylinders and beakers</u> .
8. Florence flask		A florence flask is <u>used to heat liquids</u> more evenly than a beaker.
9. funnel		<u>makes it easier to put solids or liquids into another container</u> , especially if the container has a narrow neck.
10. evaporating dish		Used to <u>evaporate liquids from solids</u>
11. ring clamp		<u>attaches to a ring stand</u> . It can <u>support equipment</u> .
12. ring stand		A ring stand is used to <u>support ring clamps, utility clamps, or buret clamps</u> .
13. wire gauze		<u>put on top of a ring stand so that a beaker can be supported</u> . A Bunsen burner would be located below the wire gauze. <u>helps spread out the heat</u> .
14. Bunsen burner		A Bunsen burner is <u>used to heat objects</u> .

15. scoopula, chemical spoon		A scoopula, chemical spoon, or spatula is <u>used to measure out small amounts of chemicals</u> . We use a separate weighing utensil for each chemical.
16. eye dropper/ medicine dropper		An eye dropper/ medicine dropper lets us <u>administer liquids drop by drop</u> .
17. utility clamp		A utility clamp <u>can hold many cylindrical objects</u> like thermometers, burets, or test tubes.
18. crucible		<u>used to heat up hydrates or solids</u> . Crucibles can crack if they get wet and are heated.
19. crucible tongs		Crucible tongs hold crucibles so we don't burn ourselves.
20. test tube holder		<u>holds a test tube that we may have in a flame or hot water</u> .
21. striker		A striker <u>lights a Bunsen burner</u> .
22. mortar and pestle		Mortar and pestles are <u>used to grind up materials</u> . One should never bang a pestle in the mortar because it can crack the mortar.
23. clay triangle		Clay triangles are used to <u>hold crucibles or evaporating dishes while heating</u> .
24. scale/ balance		A scale/balance is <u>used to measure mass</u>
26. volumetric Flask		A volumetric flask is used to <u>measure precise liquids when you make a Molar solution</u> .
27. buret		<u>Used to add precise amounts of liquid in a controllable manner</u> .
30. forceps or tweezers		<u>hold small objects that our fingers should not touch</u> .
31. thermometer		<u>measures the temperature of solids, liquids, or gases</u> .
32. watch glass		covers an evaporating dish so that the liquid does not spatter all over the counter. <u>Evaporates small volumes of liquid</u>