

Laboratory Equipment

Unit: Laboratory

MA Curriculum Frameworks (2016): SP3

Mastery Objective(s): (Students will be able to...)

- Recognize and identify common laboratory equipment used in chemistry.

Success Criteria:

- Be able to give the name and describe the use for each of the pieces of equipment in this section.







Tier 2 Vocabulary: graduated, ring, stand

Language Objectives:

- Identify laboratory equipment by name and explain what it is used for.

Notes:

The following are some of the common pieces of laboratory apparatus.

Description	Picture	Description	Picture
beaker Used as a cup/container. May be heated. Volume markings are approximate.		graduated cylinder Used for accurate measurement of liquid volume.	
Erlenmeyer flask Used as a container. Contents may be swirled to mix. May be heated.		test tube Used for mixing and reacting small quantities of liquids.	
Bunsen burner Used to heat chemicals in beakers, flasks or test tubes.		ring stand Used to support lab apparatus.	

Use this space for summary and/or additional notes:



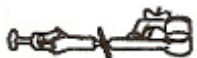











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Big Ideas

Details

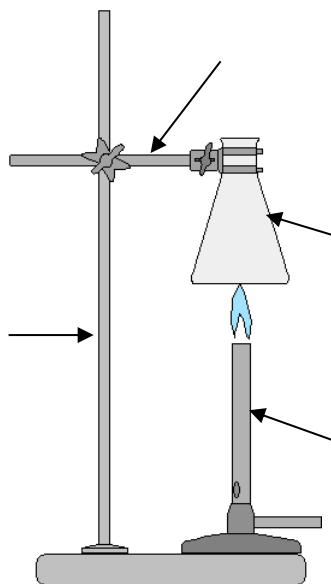
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Description	Picture	Description	Picture
tongs Used for picking up and holding hot things.		test tube holder Used for holding a test tube while heating.	
clamp Used to attach a piece of equipment to a ring stand.		pinch clamp Used to clamp rubber tubing so no liquid comes out.	
wire gauze Used to spread the heat of a flame onto the bottom of a beaker or flask.		iron ring Fastens to ring stand. Used to hold lab apparatus.	
mortar & pestle Used to grind chemicals to a fine powder.		evaporating dish Used to hold solutions over a Bunsen burner to evaporate the liquid.	
stirring rod Used to stir mixtures and to help pour liquids without spilling.		pipette Used to transfer small amounts of liquid.	
watch glass Used to cover liquids being heated in a beaker to avoid spatter. Should not be heated.		crucible & cover Used to heat small amounts of solids to high temperatures.	
funnel Used to help pour liquids without spilling and/or to hold filter paper.		pipestem triangle Used to hold a crucible while heating.	

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Homework Problem

In the following setup, label the piece of lab equipment that each of the arrows is pointing to.



Use this space for summary and/or additional notes: