Laboratory Equipment and Skills: Recognizing Lab Equipment

In the chemistry laboratory, you will be using equipment, handling materials, and performing certain unfamiliar tasks. The purpose of this section is to introduce you to the equipment and to describe some of their uses that you will need to be familiar with in this laboratory course. There will be a quiz given online that will be based on prior knowledge and this reference sheet.

DESCRIPTION	EQUIPMENT	USE
vertical metal rod heavy base		support for rings, clamps or other lab equipment
	RING STAND	
iron ring screw fastener variety of diameters		Support device for beakers, flasks, or other lab equipment
	IRON RING	
open mouth container straight sides specific volumes are marked on container		container may be used like cup can be heated
	BEAKER	
vertical glass hollow cylinder Increment markings		makes precision volume measurements
	GRADUATED CYLINDER	
glass or plastic		pouring liquids into buret or flask holding filter paper
	FUNNEL	
metal clamp screw fastener		holds test tubes or other equipment
	TEST TUBE CLAMP	
glass or plastic variety of diameters		container glass versions can be heated
	TEST TUBE	
wire grid or made of plastic/wood		Holds test tubes in upright position
	TEST TUBE RACK	
thick metal wire spring handle		allows for test tubes to be transferred or moved without touching with hands
	TEST TUBE HOLDER	

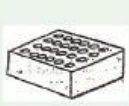
DESCRIPTION	EQUIPMENT	USE
glass has specified volume etched line		Preparation of solutions Precision volume measurements
	VOLUMETRIC FLASK	
glass top is smaller than base indicated volume		container less evaporation than beaker can be heated
	ERLENMEYER FLASK	
glass rounded sides indicated volume		container can be heated
	FLORENCE FLASK	
metal clamp flexible clips holds 2		holds burets when conducting volumetric experiments
	BURET CLAMP	
plastic or ceramic many small bowls		holds liquids in micro experiments
	WELL PLATE	
wire screen has ceramic disk to dissipate heat		spread heat of flame cooling heated container
	WIRE GAUZE	
triangular wire frame with clay insulators		supports items being heated on ring stand
	CLAY TRIANGLE	
ceramic dish		holds small amounts of liquids. can be heated
	EVAPORATING DISH	
metal		pick up and hold beakers
	TONGS	

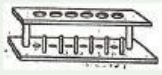














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