





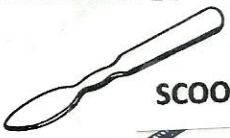






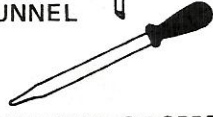
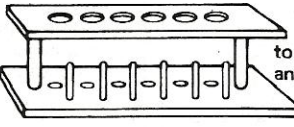


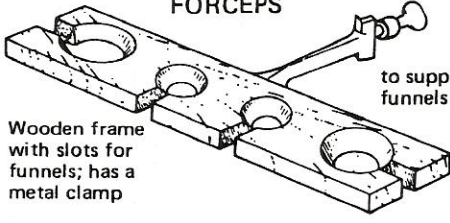
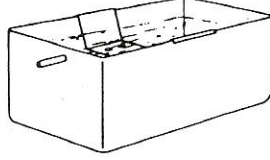


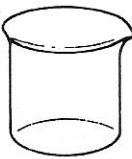
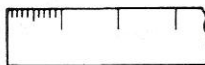

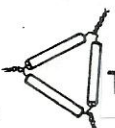
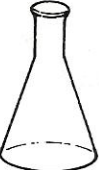



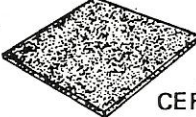


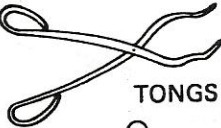
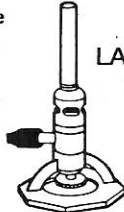

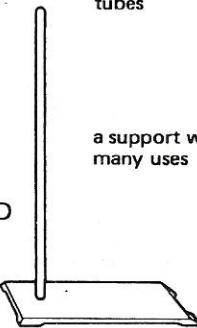
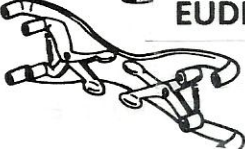

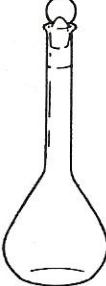
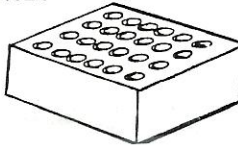


DESCRIPTION	APPARATUS	USE	DESCRIPTION	APPARATUS	USE
iron ring with screw fastener several sizes	 IRON RING	to fasten to the ring stand as a support for apparatus	brush with wire handle	 TEST TUBE BRUSH	to scrub glass apparatus
metal clamp with 1. screw fastener 2. swivel and lock nut 3. adjusting screw 4. curved clamp	 TEST TUBE CLAMP	to hold apparatus may be fastened to the ring stand	glass rod	 STIRRING ROD	to stir combinations of materials to use in pouring liquids
heavy porcelain dish with grinder	 MORTAR AND PESTLE	to grind chemicals to a powder	porcelain dish	 EVAPORATING DISH	as a container for small amounts of liquid being evaporated
may be of metal or porcelain	 SCOOP	to transfer solid chemicals in weighing	thick glass	 GLASS PLATE	many uses (should not be heated)
metal file with three cutting edges	 TRIANGULAR FILE	to scratch glass to file	curved glass	 WATCH GLASS	may be used as a beaker cover may be used in evaporating very small amounts of liquid
short length of rubber tubing	 RUBBER CONNECTOR	to connect parts of apparatus	glass or plastic	 FUNNEL	to hold a filter paper may be used in pouring
metal clamp with finger grips	 PINCH CLAMP	to clamp a rubber connector	glass tip with rubber bulb	 MEDICINE DROPPER	to transfer small amounts of liquid
rack; may be wood, metal or plastic	 TEST TUBE RACK	to hold test tubes in an upright position	metal	 FORCEPS	to pick up or hold small objects
squeezable plastic bottle with angular tip	 PLASTIC WASH BOTTLE	to dispense distilled water	Wooden frame with slots for funnels; has a metal clamp	 FUNNEL SUPPORT	to support funnels
galvanized iron container with rolled edge, overflow tube, and bottle shelf	 PNEUMATIC TROUGH	to hold water, gas collecting bottles, and delivery tube from gas generator	glass many uses as a container	 WIDE-MOUTH BOTTLE	many uses as a container
				 THIN STEM PIPETTE	plastic used in micro experiment to transfer small amounts of liquid

APPARATUS LIST FOR STUDENT USE

DESCRIPTION	APPARATUS	USE	DESCRIPTION	APPARATUS	USE
glass common sizes 100 mL 250 mL 400 mL marked on the beaker		as a container, like a cup may be heated	10 centimeter (cm) ruler, plastic divided into centimeter and millimeter (mm) divisions		to measure length
glass marked with a milliliter (mL) scale size divisions 50 mL 1.0 mL 35 mL 0.2 or 0.5 mL 10 mL 0.1 mL		to measure volume	triangular wire frame with clay material coverings		to support the crucible
glass common sizes 125 mL 250 mL 500 mL marked on the flask	 	may be heated	small porcelain dish with cover		to heat small amounts of solid material at high temperature
metal clamp with a spring handle		to hold a test tube	hardened ceramic-fibered material		to place under hot apparatus
glass several sizes		many uses can be heated	wire screen with ceramic-fibered center		to spread the heat of a flame
metal		to pick up and hold apparatus	metal heating device connected to gas outlet with rubber tubing		to heat chemicals in beakers or test tubes
glass marked with a milliliter (mL) scale		used to collect and measure the volumes of gases	metal rod upright heavy base		a support with many uses
metal clamp with flexible clips		to hold burets when titrating	glass marked with a milliliter (mL) scale and fitted with a stopcock, pinch clamp, or glass bead		used to withdraw and measure volumes of solutions in titrations
			glass marked off to liter capacity, with a glass stopper		used in the preparation of solutions
			plastic		used to hold liquids in micro experiment