
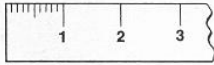




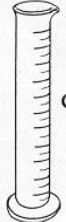
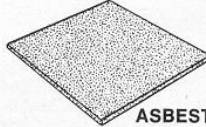
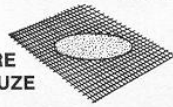


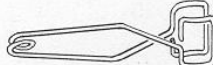
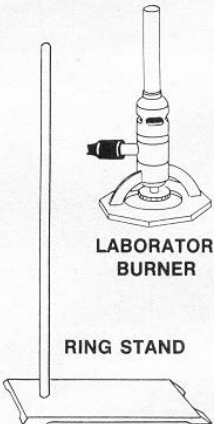
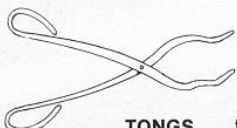

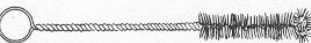





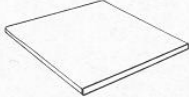




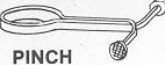
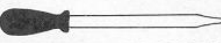
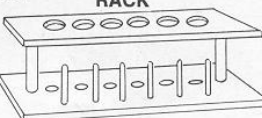



LAB LIST OF LABORATORY EQUIPMENT ³

LIST OF APPARATUS FOR STUDENT USE

DESCRIPTION	APPARATUS	USE	DESCRIPTION	APPARATUS	USE
glass common sizes 100 mL 250 mL 400 mL marked on the beaker	 400 mL BEAKER	as a container, like a cup may be heated	10 centimeter (cm) ruler, plastic divided into centimeter and millimeter (mm) divisions	 10 CM RULER	to measure length
glass common sizes 125 mL 250 mL 500 mL marked on the flask	 ERLENMEYER FLASK	may be heated	triangular wire frame with clay material coverings	 PIPESTEM TRIANGLE	to support the crucible
	 FLORENCE FLASK		small porcelain dish with cover	 CRUCIBLE AND COVER	to heat small amounts of solid material at high temperature
glass marked with a milliliter (mL) scale size divisions	 GRADUATED CYLINDER	to measure volume	hardened asbestos	 ASBESTOS SQUARE	to place under hot apparatus
50 mL 1.0 mL 35 mL 0.2 or 10 mL 0.1 mL			wire screen asbestos center	 WIRE GAUZE	to spread the heat of a flame
glass several sizes	 TEST TUBE	many uses can be heated	metal heating device connected to gas outlet with rubber tubing	 LABORATORY BURNER	to heat chemicals in beakers or test tubes
metal clamp with a spring handle	 TEST TUBE CLAMP	to hold a test tube	metal rod upright heavy base	 RING STAND	a support with many uses
metal	 TONGS	to pick up and hold apparatus			

³ Bolton, Ruth P., Lamphere, Elizabeth V., and Menesini, Mario. (1979). *Laboratory Experiments in ACTION CHEMISTRY*. Holt, Rinehart and Winston, Publishers, New York. p. 4-5.

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	 BURET 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	 SPATULA	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