
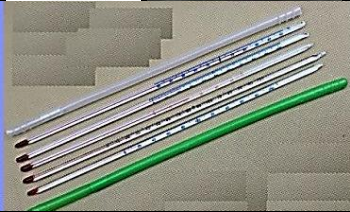
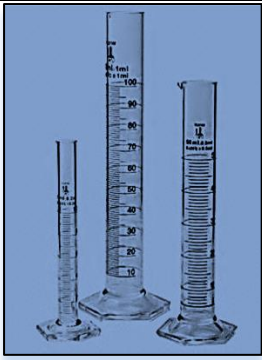
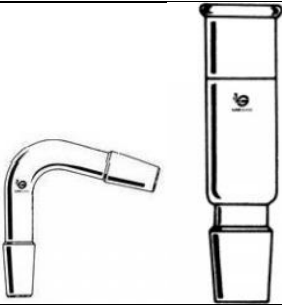
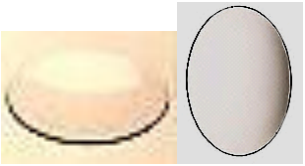





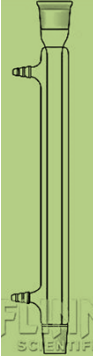


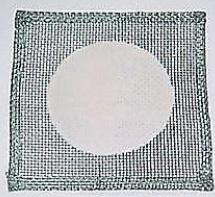




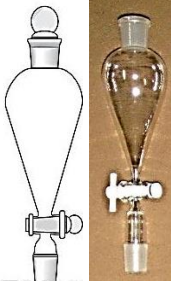


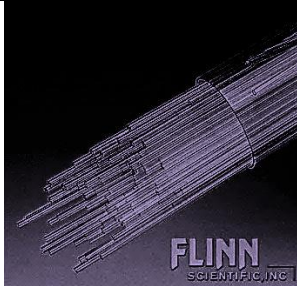





Table 1: Lab equipment that used in organic chemistry .

Tools	In Arabic	Shapes	Uses
Round bottom flask	دورق دائري القعر		The round-bottom flask is used for reactions, distillations .
Thermometer	محرار		Thermometers are used to measure the temperature of substances .
Thermometer bulb	بصلة المحرار		
graduated cylinders	أسطوانة مدرجة		used to measure the volume of liquids accurately .
glass adaptor	موصل زجاجي		Can be used to convert or adapt your setup .
Watch Glass	زجاجة ساعة		A watch glass used as a evaporating dish or to hold solids while being weighed , or as a cover for a beaker or to hold crystals you synthesized and will analyze the following week in lab
boiling chips	حجر غليان		Boiling Chips. are small, insoluble, porous stones made of calcium carbonate or silicon carbide. These stones have pores inside which provide cavities Used in reflux or distillation to allow a nucleation site for gradual boiling

Filter paper	ورق ترشيح		qualitative and quantitative types for all filtration of chemicals, gelatinous, and coarse precipitates.
stand	حامل حديدي		Set up various clamps to this to hold your glassware in place.
Clamp	ماسك		a device that holds or presses parts tightly together
Boss head			A Boss Head is a gadget that holds a clamp on to a retort stand in a science lab.
Condenser	مكثف		condensers will be used in conjunction with a distilling flask in distillation process
Distillation adapter	رأس تقطير		Adapter for use with jointed thermometers
Spatula	ملعقة وزن المواد الكيميائية الصلبة		Use to transferred solids from the stock bottles to a weighing paper.

Wire Gauze	مشبك		Wire gauze is used for supporting beakers and flasks when they are being heated with a Bunsen Burner
Electronic Balance	الموازين		Electronic balances are used to measure the mass of substances accurately.
Funnel	قمع ترشيح زجاجي		<ol style="list-style-type: none"> 1) It is used with filter paper to remove fine particles from a liquid in a process called filtration 2) it can also be used to channel liquid or fine-grained substances into containers with a small opening
Beakers deferent size	قدح زجاجي		Beakers are used for transferring, mixing and heating chemicals.
Oven	مجفف أدوات زجاجية		An oven is a thermally insulated chamber used for the heating, or drying of a substance, glassware.
Separatory funnel	قمع فصل		A separatory funnel, used in liquid-liquid extractions to separate (partition) of the components of a mixture into two immiscible solvent phases

<p>Fractional column</p>	<p>عمود التجزئة</p>		<p>is used to separate the mixture into its component parts, or fractions, based on the differences in volatilities.</p>
<p>Conical deferent size</p>	<p>دورق مخروطي</p>		<p>used for mixing, heating, and storing chemicals.</p>
<p>Capillary tube</p>	<p>أنبويه شعريه</p>		<p>(used for spotting TLC plates) or closed on one end (used for melting point determinations).</p>
<p>Boiling tube</p>	<p>أنبويه غليان</p>		<p>A boiling tube is a special variety of test tube that is made specifically for boiling samples.</p>
<p>Bunsen Burner</p>	<p>مصباح بنزن</p>		<p>Bunsen burners are used for heating chemicals and equipment</p>
<p>Glass rod</p>	<p>محرک زجاجي</p>		<p>Stirring rods are used to stir mixtures and facilitate the pouring of liquids</p>

<p>Oil bath</p>	<p>حمام زيتي</p>		<p>An oil bath is essentially a container of oil heated by a hot plate, open flame or other heat source.</p>
<p>Heater(hot plate)</p>	<p>مسخن كهربائي</p>		<p>is used in research, or clinics to heat liquids, solids, or glassware.</p>
<p>Washing bottle</p>	<p>قنينة غسل</p>		<p>They are used to store and dispense distilled water. laboratory solvents and reagents, according to the work carried out in that lab.</p>
<p>Tripod stand</p>	<p>حامل ثلاثي</p>		<p>This lab equipment is used to support and hold various flasks, beakers and other glass above a Bunsen burner eg. a an evaporation basin</p>
<p>Dropper</p>	<p>قطارة</p>		<p>Droppers are instruments used for measuring and transferring liquids in small amounts.</p>