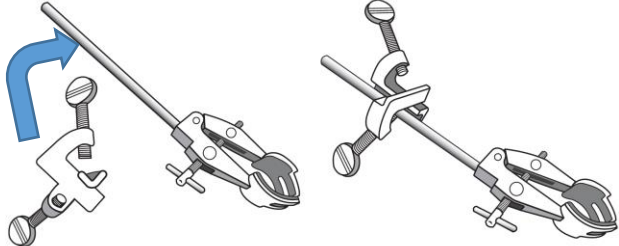





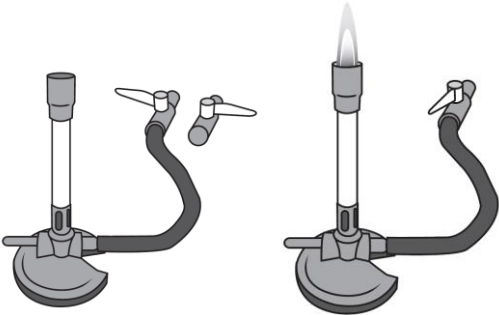
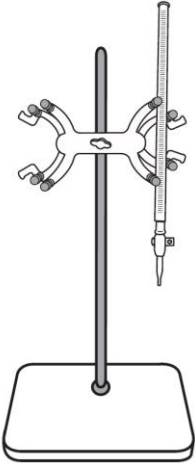
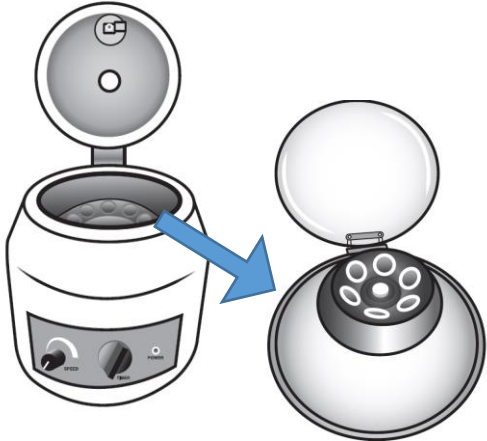

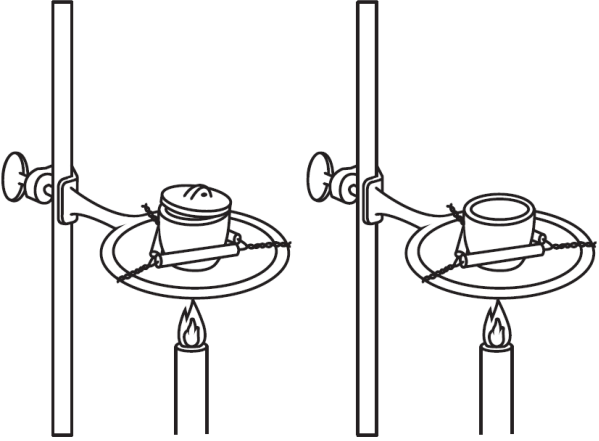
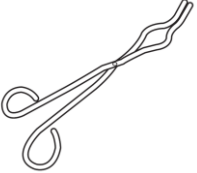






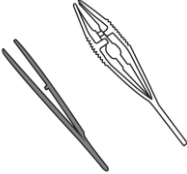
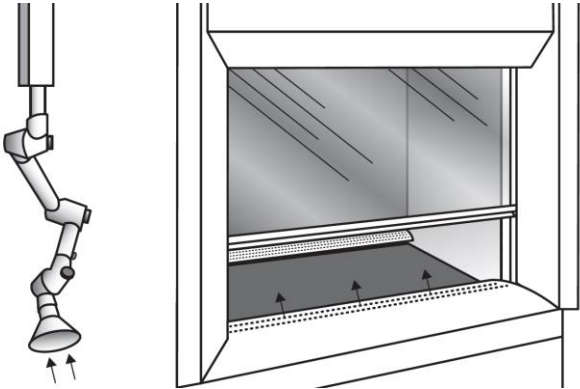
## Illustrations of Glassware and Apparatus

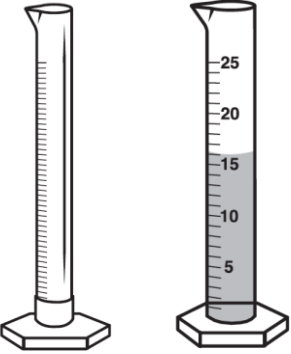
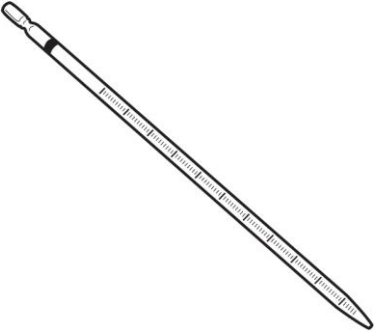
Item name	Illustrations
<p>Adjustable utility clamp</p> <p>(two pieces are tightened together to connect the ring stand and clamp)</p>	<p>Use the boss head clamp to attach the two-prong clamp to the ring and</p> 
<p>Arc discharge lamp (arc discharge tube)</p>	
<p>Balance (electronic balance)</p>	
<p>beaker</p>	

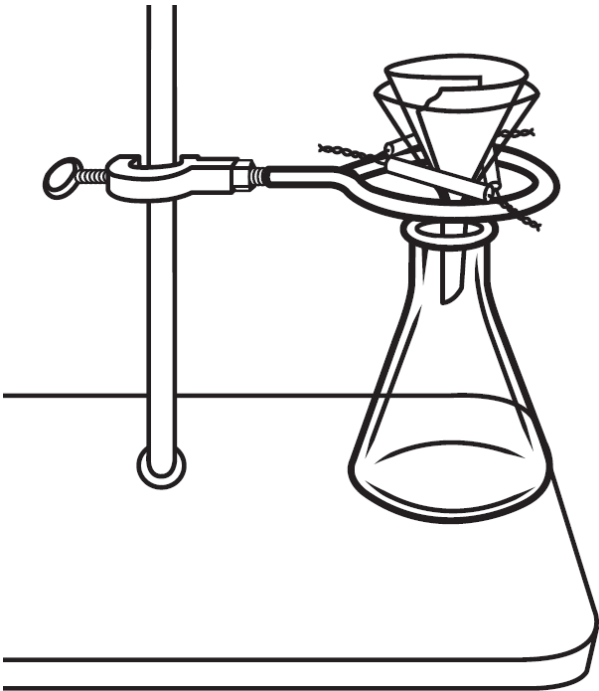

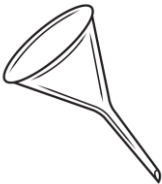
Item name	Illustrations
Beaker tongs	 A pair of beaker tongs, which are long-handled forceps with curved ends designed to grip a beaker.
Büchner funnel (for use in vacuum filtration)	 A Büchner funnel, a funnel-shaped filter used for vacuum filtration. It has a wide top rim and a narrow stem.
Bunsen burner (left: with tubing connected to gas valve and right: lit)	 Two Bunsen burners are shown side-by-side. The burner on the left is unlit and has a black gas hose connected to its side. The burner on the right is lit, with a blue flame emerging from the top. Both burners have a glass chimney and a metal base.

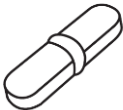

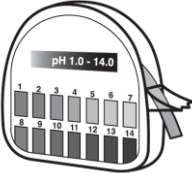
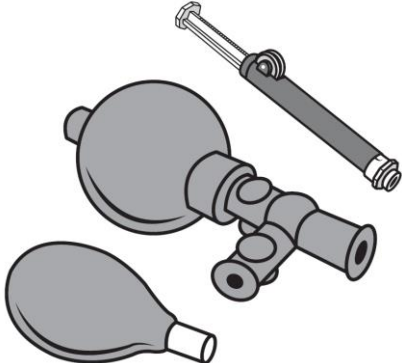
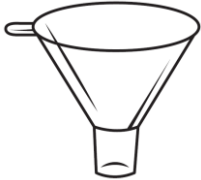
Item name	Illustrations
<p>Buret</p> <p>(in buret clamp on ring stand)</p>	
<p>Centrifuge</p> <p>(right: interior view)</p>	
<p>Coin stopper</p> <p>(left: in a reagent bottle and right: proper removal procedure)</p>	

Item name	Illustrations
Crucible  (over flame, left: with cover and right: without cover)	
Crucible tongs	
Erlenmeyer flask	
Evaporating dish	

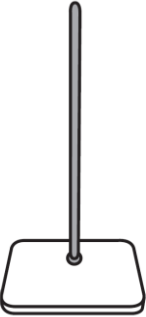
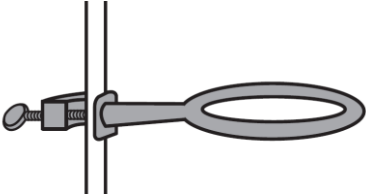


Item name	Illustrations
<p>filter paper</p> <p>(left: mark shows where to fold paper in half; middle: mark shows where to fold paper a second time and tear off one corner; right: paper shaped in cone to sit in funnel)</p>	
<p>Florence flask</p>	
<p>Forceps</p>	
<p>fume snorkel and fume snorkel (or snorkel fume extractor)</p>	


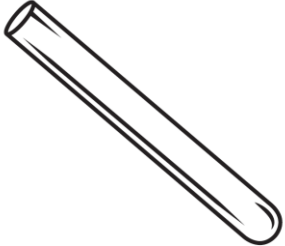
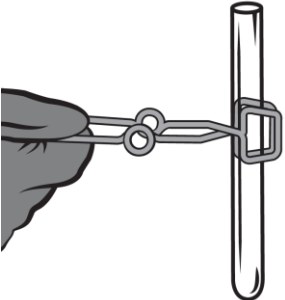
Item name	Illustrations
graduated cylinders	
Graduated pipet	

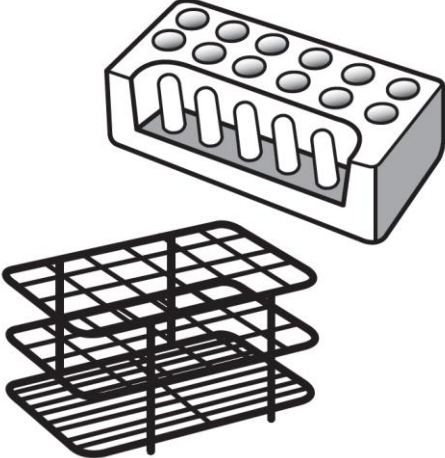
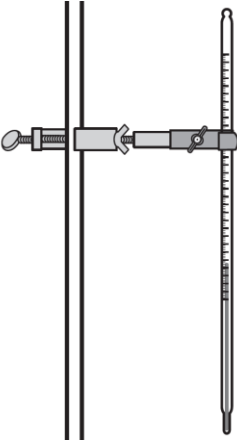
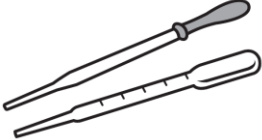
Item name	Illustrations
<p>gravity filtration apparatus</p> <p>(ring stand, ring support, clay triangle, liquid funnel with filter paper)</p>	
<p>Hot plate with magnetic stirrer</p>	
<p>Liquid funnel</p>	

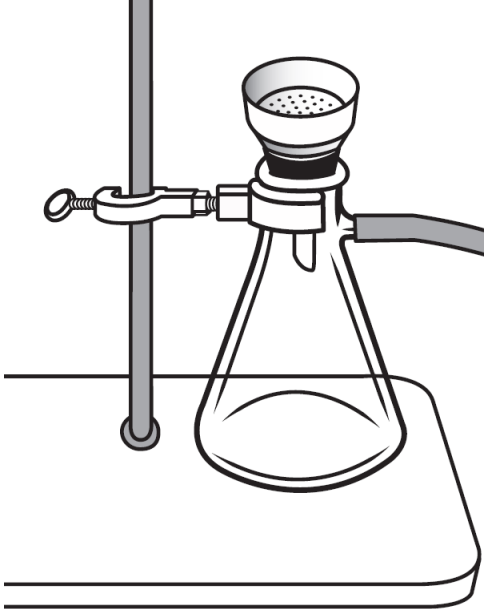


Item name	Illustrations
Magnetic stir bar	
Mortar and pestle	
pH paper	
<p>pipet bulb</p> <p>(left: suction bulb; center: three-way valve pipet bulb; and right: pipet pump)</p>	
<p>Powder funnel</p> <p>(or short stem funnel)</p>	


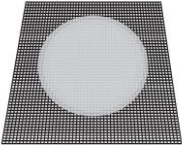



Item name	Illustrations
Ring stand	
Ring support clamp	
scoopula	
Side-arm filter flask (or side-arm Erlenmeyer flask; used in vacuum filtration)	

Item name	Illustrations
Stirring rod	 A simple line drawing of a long, thin, cylindrical stirring rod, oriented diagonally from the top-left to the bottom-right.
Test tube	 A simple line drawing of a test tube, oriented diagonally from the top-left to the bottom-right, with a rounded bottom.
Test tube holder	 A line drawing showing a hand on the left side, gripping a test tube holder. The holder is a pair of curved metal tongs with a ring at the top. It is clamped around a test tube, which is oriented vertically.

Item name	Illustrations
Test tube rack	 The illustration shows two types of test tube racks. The top one is a white plastic rack with a grid of 12 circular indentations on top and a central channel where four white test tubes are held. The bottom one is a black metal wire rack with a grid of 12 rectangular indentations.
Thermometer clamp	 The illustration shows a metal thermometer clamp with a sliding mechanism, clamped onto a vertical thermometer. The thermometer has a bulb at the bottom and a scale with markings on the stem.
Transfer pipets (top: Pasteur with bulb, bottom: Beral pipet)	 The illustration shows two types of transfer pipets. The top one is a Pasteur pipet, which has a bulb at the top and a narrow tube. The bottom one is a Beral pipet, which has a bulb at the bottom and a narrow tube.

Item name	Illustrations
<p>Vacuum filtration apparatus</p> <p>(ring stand, clamp, side-arm filter flask with tubing, rubber collar, and Büchner funnel)</p>	
<p>Volumetric pipet</p>	
<p>Watch glass</p>	

Item name	Illustrations
well plates	 The illustration shows two rectangular well plates. The top one is a 24-well plate, arranged in a 4x6 grid. The bottom one is a 6-well plate, arranged in a 2x3 grid. Both plates have rounded wells.
Wire gauze	 The illustration shows a square wire gauze mat with a circular center. The mat is made of a grid of small squares, and the center is a solid gray circle.
Wire loop (or inoculation loop) (for flame test)	 The illustration shows a wire loop, also known as an inoculation loop. It consists of a long, thin handle and a small, circular loop at the end. The handle is slightly thicker than the wire.