

Al-Rasheed University College

Biology department

1st year

Organic Chemistry LABORATORY

إعداد: م.م. فادية فالح محمد

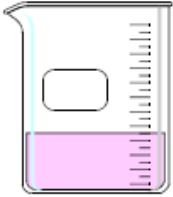
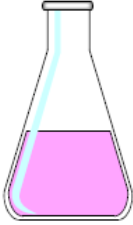



إشراف: د.فالح محمد فليح




Chemistry Laboratory Safety Guide

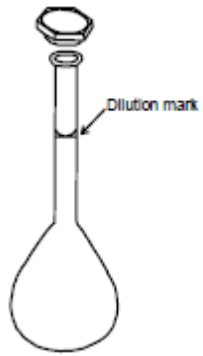
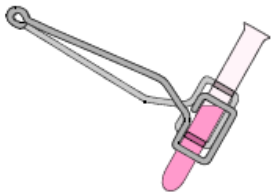
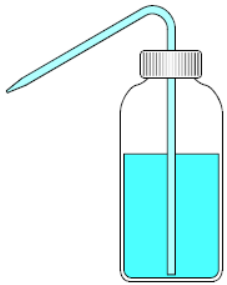

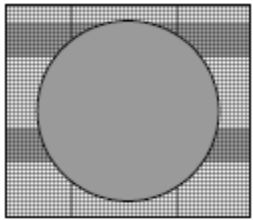

Life threatening injuries can happen in the laboratory. For that reason, students need to be informed of the correct way to act and things to do in the laboratory. The following is a safety checklist that can be used as a handout to students in the laboratory

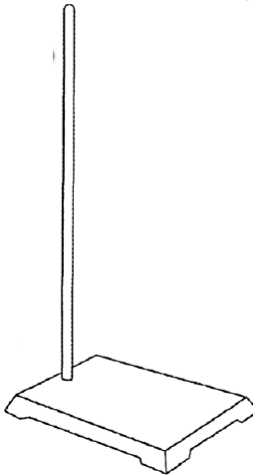

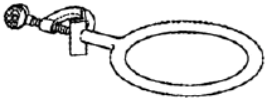



1. Never work in the laboratory without the supervision of a teacher.
2. Always perform the experiments or work precisely as directed by the teacher.
3. Immediately report any spills, accidents, or injuries to a teacher.
4. Never leave experiments while in progress.
5. Never smoke in the laboratory.
6. Be careful when handling hot glassware and apparatus in the laboratory. Hot glassware looks just like cold glassware.
7. Never point the open end of a test tube containing a substance at yourself or others.
8. Never fill a pipette using mouth suction. Always use a pipetting device.
9. Do not leave lit Bunsen burners unattended.
10. Turn off all heating apparatus, gas valves, and water faucets when not in use.
11. Do not remove any equipment or chemicals from the laboratory.

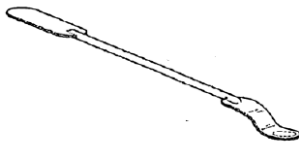
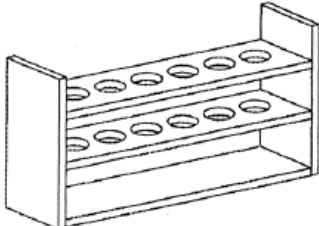


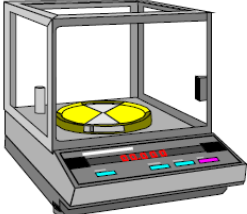
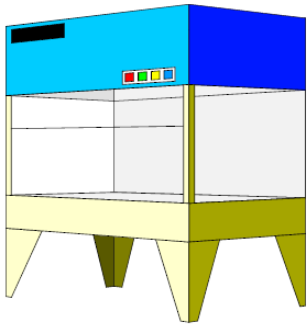
Basic Laboratory Equipment's

	Beaker
	Erlenmeyer flask or flask
	Graduated cylinder
	Funnel
	Test tube

	<p>Dropper</p>
	<p>Buret</p>
	<p>Pipet</p>

 <p>A glass flask with a long neck and a stopper. A horizontal line on the neck is labeled "Dilution mark".</p>	Volumetric flask
 <p>A pair of metal tongs with a curved end, holding a test tube.</p>	Test tube holder
 <p>A glass bottle with a stopper and a long, curved glass tube extending from the stopper to the bottom of the bottle. The bottle is partially filled with blue liquid.</p>	Washing bottle
 <p>A shallow, circular glass dish.</p>	Glass watch
 <p>A square piece of metal mesh with a circular hole in the center.</p>	Wire gauze
 <p>A glass tube with a bulb at the bottom and a scale on the upper part.</p>	Thermometer

	Ring stand
	Utility clamp
	Iron ring
	Alcohol lamp
	Separately funnel
	Mortar and pestle

	Spatula
	Test tub rack
	Wire brush
	Stirring rod or glass rod
	Electronic balance
	Fume hood