



**AL-RASHEED UNIVERSITY
COLLEGE**
Department of Biology



Organic Chemistry LABORATORY



إشراف

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Lab.1

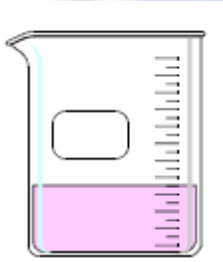
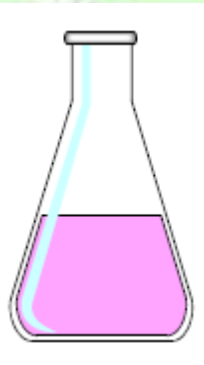
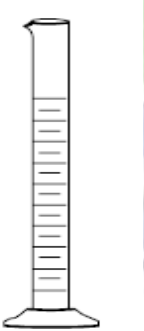
Chemistry Laboratory Safety Guide

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



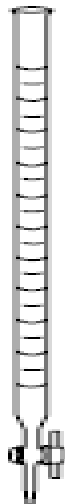
Funnel



Test tube


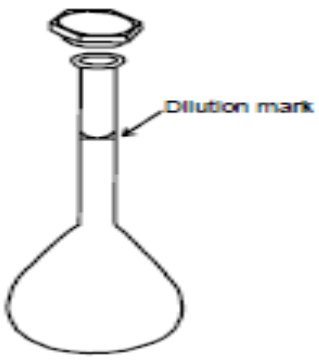
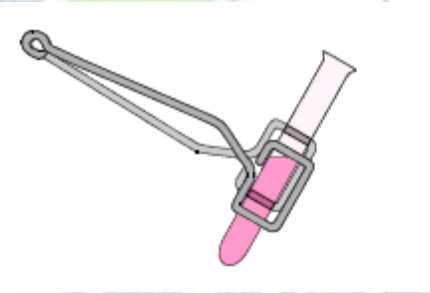
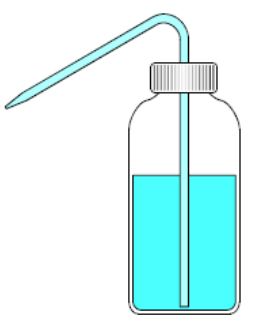


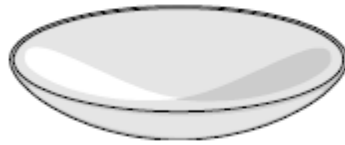
Dropper



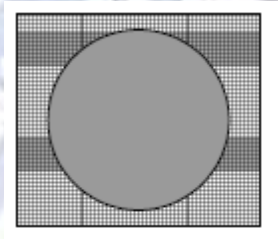
Biuret



	<p>Pipet</p>
	<p>Volumetric flask</p>
	<p>Test tube holder</p>
	<p>Washing bottle</p>



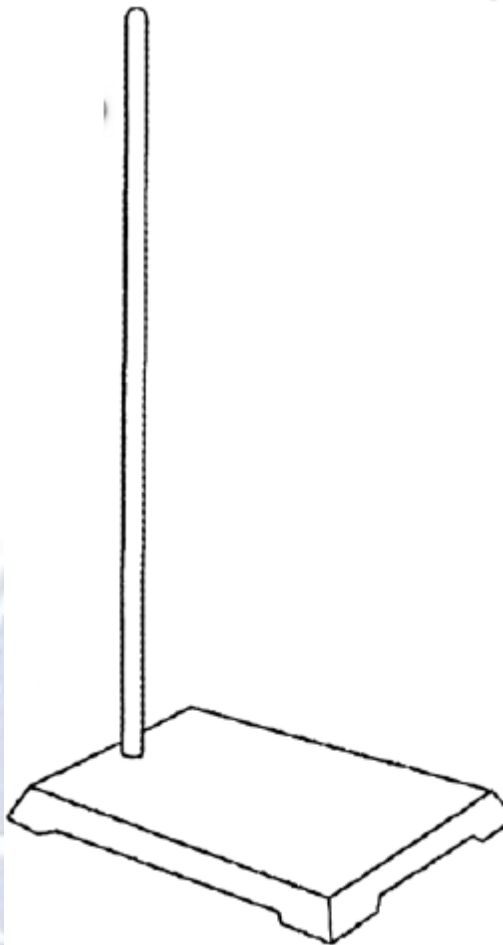
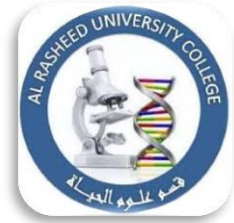
Glass watch



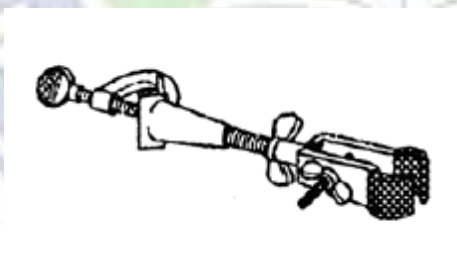
Wire gauze



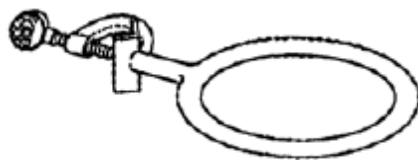
Thermometer



Ring stand



Utility clamp



Iron ring



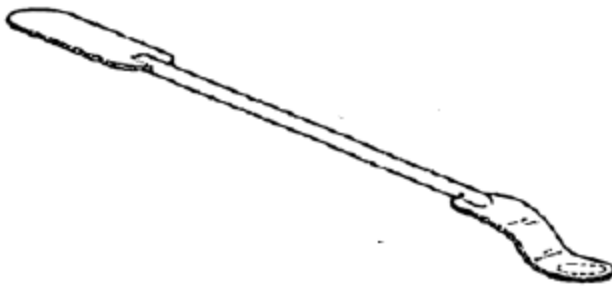
Alcohol lamp



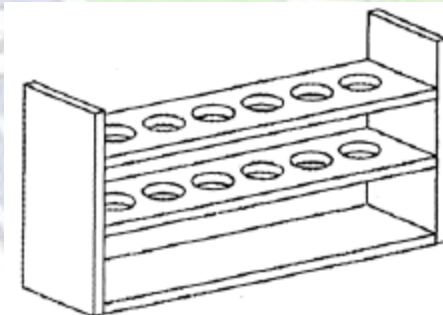
**Separately
funnel**



**Mortar and
pestle**



Spatula



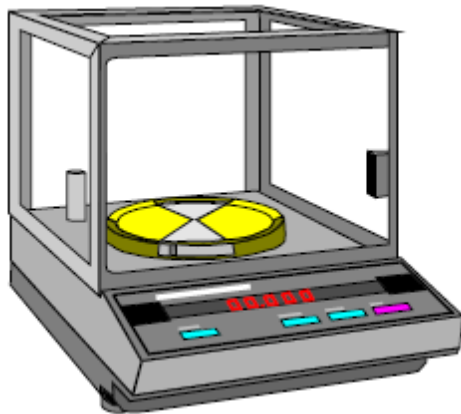
Test tub rack



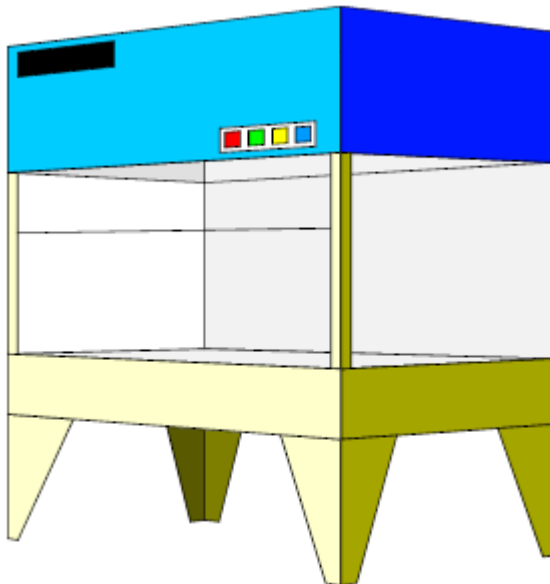
Wire brush



**Stirring rod
or glass rod**



**Electronic
balance**



Fume hood