



## LABORATORY ACTIVITY 1

### BASIC LABORATORY TECHNIQUES

- INTRODUCTION

Every laboratory experiment that you will perform requires skill and safety. Many accidents and failure in experiments are accounted for the lack of knowledge and safety in handling laboratory equipment, chemicals and operations. The accuracy and precision of experimental results depends largely on the proper execution of laboratory operations. Every apparatus and equipment in the laboratory must be handled with care and extreme precision.

#### Introduction of Equipment/Glass wares

ITEM	DESCRIPTION
Test tube	A cylindrical tube closed at one end; it is used to contain small amounts of liquid or solid material for mixing or heating.
Test tube holder	An iron or copper ware used to hold test tubes, especially when heating.
Test tube rack	A wooden device used to transport and rest test tubes.
Beaker	Deep, open mouthed thin cylindrical vessel with a spout; it is used to contain substances to be heated or to undergo reaction.
Erlenmeyer flask	A conical flask with a broad base; it is used to hold liquids.
Graduated cylinder	Cylindrical tube with a spout and graduation; it is used to measure liquids.
Volumetric flask	Flask fitted with a stopper; it is made to contain a stated amount of liquids; it is used in the preparation of solutions.
Funnel	An inverted conical apparatus with a tapering tube at the small end; it is used for pouring liquids or solids into containers with small openings; it is used to direct the downward flow of liquids; it can also support a filtering material in filtration.
Evaporating dish	A porcelain container used in evaporating solvents by heating.
Watch glass	A shallow glass; it is used to hold solids when weighing.
Spatula	A flat, thin flexible dull-edged metal; it is used in transferring solid chemicals from a stock bottle to another container.

# Laboratory Activity Botanus Lab Answer

**Almuth Tschunko**

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