## Science Lab Equipment Study Sheet

Class   As a container, cup   BEAKER     Common Sizes:   100, 250, 400, & 1000 mL   Stirring, Mixing, Pouring, Heating   BEAKER     Class   Usually marked with a milliliter (mL) scale   To measure volume   GRADUATED CYLINDER     B   Class   Common Sizes: 125, 250, S0 ml   May be heated   a. ERLENMEYER FLASK b. ROUND BOTTOM FLASK     Common Sizes:   125, 250, S0 ml   May uses: Can be heated   measure volume   TEST TUBE & TEST TUBE BRU     Wood, metal, plastic   To hold test tubes upright   TEST TUBE & TEST TUBE RACK     Wood, metal, plastic   To hold test tubes upright   TEST TUBE RACK     Metal   Clamp with a spring handle   Used to hold a test tube   TEST TUBE CLAMP     Metal   Clamp with screws, nut, & curved clamp   To hold test tubes securely on the ring stand   TEST TUBE CLAMP     Metal   To pick up and hold a crucible   CRUCIBLE TONGS   Used to collect/ad specific volumes of liquids   PIPETTE     Out of the apparatus   Used to hold liquids for titration   a. BURET   b. BURET CLAMP     Metal Clamp   To hold burets when titrating   Duff   b. BURET CLAMP     Metal Clamp, or glass bead   To hold burets when titrating   b. BURET CLAMP		<b>2</b>	Use	Name
Common Sizes: 100, 250, 400, & 1000 mL   Stirring, Mixing, Pouring, Heating   BEAKER     Image: Common Sizes:   Class Usually marked with a milliliter (mL) scale   To measure volume   GRADUATED CYLINDER     Image: Common Sizes:   125, 250, 500 ml   May be heated   a. ERLENMEYER FLASK b. ROUND BOTTOM FLASK     Image: Common Sizes:   125, 250, 500 ml   May uses: Can be heated   a. ERLENMEYER FLASK b. ROUND BOTTOM FLASK     Image: Common Sizes:   Several Sizes   Many uses: Can be heated   TEST TUBE & TEST TUBE BRU     Image: Common Sizes:   Of ass Several Sizes   To hold test tubes upright   TEST TUBE & TEST TUBE ACK     Image: Common Sizes:   Metal Clamp with a spring handle   Used to hold a test tube   TEST TUBE CLAMP     Image: Clamp with a spring handle   Used to collect/add specific volumes of liquids   TeST TUBE CLAMP     Image: Clamp with a spring handle   Used to collect/add specific volumes of liquids   PIPETTE     Image: Clamp with screws, nut, a convect clamp   To rok up and hold a crucible   CRUCIBLE TONGS     Image: Clamp with screws, nut, be clamp with screws, pinch clamp, or glass bead   Used to collect/add specific volumes of liquids   PIPETTE     Image: Clamp with a stopcock, pinch clamp, or glass bead   To hold burets when titrating   a. BURET   b	Apparatus	Description		indifie
Usually marked with a milliliter (mL) scale To measure volume GRADUATED CYLINDER   Glass Glass Common Sizes: 125, 250, 500 ml May be heated a. ERLENMEYER FLASK b. ROUND BOTTOM FLASK   Glass Glass Many uses: Can be heated milliliter (mL) scale Test TUBE & TEST TUBE & TEST TUBE BRU   Wood, metal, plastic To hold test tubes upright TEST TUBE & TEST TUBE RACK   Wetal Clamp with a spring handle Used to hold a test tube TEST TUBE HOLDER   Metal Clamp with a spring handle To hold test tubes securely on the ring stand TEST TUBE CLAMP   Metal To pick up and hold a crucible CRUCIBLE TONGS CRUCIBLE TONGS   Glass Used to collect/add specific volumes of liquids into the apparatus PIPETTE   WMP Metal Clamp To hold burets when titration a. BURET   Metal Clamp To hold burets when titration a. BURET   With flexible clips To hold burets when titration b. BURET CLAMP   With flexible clips To hold burets when titration b. BURET CLAMP   With flexible clips To hold burets when titration the act Clamp   Wetal Clamp To cold burets when titration the super clamp   Wetal Clamp To cold burets when titration the suparatus   Metal Clamp To hol		Common Sizes: 100, 250, 400, & 1000 mL	Stirring, Mixing, Pouring,	BEAKER
B   Common Sizes: 125, 250, 500 ml   May be heated   a. ERLENMEYER FLASK b. ROUND BOTTOM FLASK     Solution   Glass Several Sizes   Many uses: Can be heated Mixing/Watching reactions   TEST TUBE & TEST TUBE BRU     Wood, metal, plastic   To hold test tubes upright   TEST TUBE & TEST TUBE RACK     Wood, metal, plastic   To hold test tubes securely on the ring stand   TEST TUBE CLAMP     Metal   Clamp with screws, nut, & To hold test tubes securely on the ring stand   TEST TUBE CLAMP     Metal   Used to collect/add specific volumes of liquids into the apparatus   PIPETTE     Glass   Used to hold liquids for titration fitted with a stopcock, pinch clamp, with flexible clips   Used to hold liquids for titration the apparatus   a. BURET     Metal Clamp   To hold burets when titrating with flexible clips   To measure length Divided into cm and mm divisions   METRIC RULER     Metal Clamp   To support the crucible   CLAY TRIANGLE	ل <del>تسنينينا</del>	Usually marked with a	To measure volume	GRADUATED CYLINDER
Several Sizes   Mixing/Watching reactions   TEST TUBE & TEST TUBE BRU     Wood, metal, plastic   To hold test tubes upright   TEST TUBE RACK     Metal   Clamp with a spring handle   Used to hold a test tube   TEST TUBE HOLDER     Metal   Clamp with screws, nut, & curved clamp   To hold test tubes securely on the ring stand   TEST TUBE CLAMP     Metal   Clamp with screws, nut, & curved clamp   To pick up and hold a crucible   CRUCIBLE TONGS     Metal   To pick up and hold a crucible   CRUCIBLE TONGS   PIPETTE     Glass   Used to collect/add specific volumes of liquids   PIPETTE     Used for suction to pull liquids into the apparatus   PUMP   a. BURET     Metal Clamp   To hold burets when titrating   a. BURET     With flexible clips   To hold burets when titrating   b. BURET CLAMP     With flexible clips   To nold burets when titrating   METRIC RULER     With flexible clips   To support the crucible   CLAY TRIANGLE	A B	Common Sizes: 125, 250,	May be heated	
Metal Clamp with a spring handle   Used to hold a test tube   TEST TUBE RACK     Metal Clamp with a spring handle   Used to hold a test tube   TEST TUBE HOLDER     Metal   To hold test tubes securely on the ring stand   TEST TUBE CLAMP     Metal   To pick up and hold a crucible   CRUCIBLE TONGS     Glass   Used to collect/add specific volumes of liquids   PIPETTE     Used for suction to pull liquids into the apparatus   PUMP     Metal   Used to hold liquids for titration clamp, or glass bead   a. BURET     Metal Clamp With flexible clips   To hold burets when titrating   b. BURET CLAMP     Metal Clamp With flexible clips   To measure length Divided into cm and mm divisions   To measure length   METRIC RULER				TEST TUBE & TEST TUBE BRUSH
Clamp with a spring handle   TEST TUBE HOLDER     Metal Clamp with screws, nut, & curved clamp   To hold test tubes securely on the ring stand   TEST TUBE CLAMP     Metal   To pick up and hold a crucible   CRUCIBLE TONGS     Glass   Used to collect/add specific volumes of liquids into the apparatus   PIPETTE     Glass   Used for suction to pull liquids into the apparatus   PUMP     Marked in milliliter scale Fited with a stopcock, pinch clamp, or glass bead   Used to hold liquids for titration lamp, or glass bead   a. BURET     Metal   To hold burets when titrating   Metal Clamp   To measure length   METRIC RULER     Metal clamp with is coverings   To support the crucible   CLAY TRIANGLE		Wood, metal, plastic	To hold test tubes upright	TEST TUBE RACK
& curved clamp   the ring stand   TEST TUBE CLAMP     Metal   To pick up and hold a crucible   CRUCIBLE TONGS     Glass   Used to collect/add specific volumes of liquids into the apparatus   PIPETTE     Wetal   Used for suction to pull liquids into the apparatus   PUMP     Marked in milliliter scale Fitted with a stopcock, pinch clamp, or glass bead   Used to hold liquids for titration   a. BURET     Metal   To hold burets when titrating   To measure length   Descure length   METRIC RULER     Used into cm and mm divisions   Triangular wire frame with clay material coverings   To support the crucible   CLAY TRIANGLE			Used to hold a test tube	TEST TUBE HOLDER
Glass   Used to collect/add specific volumes of liquids   PIPETTE     Used for suction to pull liquids into the apparatus   PUMP     Image: CRUCIBLE TONGS   Image: CRUCIBLE TONGS     Image: CR		& curved clamp	the ring stand	TEST TUBE CLAMP
Volumes of liquids   PIPETTE     Volumes of liquids   PUMP     Vest of resuction to pull liquids into the apparatus   PUMP     Vest of resuction to pull liquids for titration   a. BURET     Vest of result of hold burets when titrating   b. BURET CLAMP     Vest of measure length   To measure length     Divided into cm and mm   To support the crucible     CLAY TRIANGLE   CLAY TRIANGLE	$\sim$			CRUCIBLE TONGS
Image: Second		Glass		PIPETTE
Marked in milliliter scale Fitted with a stopcock, pinch clamp, or glass bead   a. BURET     Metal Clamp With flexible clips   To hold burets when titrating     Image: Clamp or glass bead   To hold burets when titrating     Image: Clamp or glass bead   To hold burets when titrating     Image: Clamp or glass bead   To hold burets when titrating     Image: Clamp or glass bead   To measure length     Image: Clamp or glass bead   To support the crucible     Image: Clamp or glass bead   Clamp or glass bead     Image: Clamp or glass bead   To support the crucible     Image: Clamp or glass bead   Clamp or glass bead     Image: Clamp or glass bead   To support the crucible     Image: Clamp or glass bead   Clamp or glass bead     Image: Clamp or glass bead   To support the crucible	com			PUMP
Metal Clamp With flexible clips To hold burets when titrating b. BURET CLAMP   Image: Clamp With flexible clips 10 cm To measure length METRIC RULER   Image: Clamp With flexible clips Used to measure length To measure length METRIC RULER   Image: Clamp With flexible clips Triangular wire frame with clay material coverings To support the crucible CLAY TRIANGLE		Marked in milliliter scale Fitted with a stopcock, pinch	Used to hold liquids for titration	a. BURET
Used to measure length Divided into cm and mm divisions METRIC RULER   Triangular wire frame with clay material coverings To support the crucible CLAY TRIANGLE		Metal Clamp		b. BURET CLAMP
clay material coverings CLAY TRIANGLE	TT 2 TH I I I I I I	Used to measure length Divided into cm and mm	To measure length	METRIC RULER
	$\triangleleft$	clay material coverings		CLAY TRIANGLE
Small porcelain dish with cover     To heat small amounts of solid material at high temperature     CRUCIBLE AND COVER		Small porcelain dish with cover	To heat small amounts of solid material at high temperature	CRUCIBLE AND COVER
Wire screen with ceramic fibered centerTo spread the heat of a flame Rests on the ring for the ring standWIRE GAUZE			Rests on the ring for the ring stand	WIRE GAUZE
Metal heating device connected to gas outlet with rubber tubing	AR CLS	connected to gas outlet with		BUNSEN BURNER
Metal rod upright, heavy base A support with many uses RING STAND and RING	s s	Metal rod upright, heavy base	A support with many uses	RING STAND and RING

J	Glass Marked off to liter capacity, with a glass stopper	Used in the preparation of solutions	VOLUMETRIC FLASK
	Plastic Many different wells	Used to hold liquids in micro experiment	CHEM PLATE SPOT PLATE
	Heavy porcelain Dish with grinder	To grind chemicals to a powder	MORTAR & PESTLE
	Metal/Porcelain	To transfer chemicals in weighing	CHEMICAL SCOOP
Ĵ	Squeezable plastic bottle with angular tip	To dispense distilled water	WASH BOTTLE
$\bigcirc$	Porcelain dish	As a container for small amounts of liquid being evaporated	EVAPORATING DISH
	Curved glass	May be used as a beaker cover or for evaporating small amounts of liquid	WATCH GLASS
	Plastic	Used in micro experiments to transfer small amounts of liquid	MICROPIPETTE
TO T	3 metal bars with riders for 100s, 10s, and 1s measurement	Used to find the mass in grams of an object	TRIPLE BEAM BALANCE
	Digital scale, precise to the thousandths of a gram	Used to find the mass in grams of an object	ELECTRONIC BALANCE
10°2	Usually metal or plastic with a hook and a metal spring	Finds the force in (N)	SPRING SCALE
Core To	Electric device often with a heat and stirring controls	Used to heat substances in glass or metal containers	HOT PLATE
	Plastic, disposable	Tray or paper used to hold find the mass of a chemical	WEIGH BOAT
$\bigcirc$	Glass or plastic with lid	Used to collect specimen or hold agar for growing specimen	PETRI DISH

Other items to know: first aid kit, fire extinguisher, apron, goggles, stopwatch, glass rod, forceps/tweezers, droppers, rubber tubing, metal file, funnel, and pH/Litmus paper (B.R.A. & R.B.B.)