**Laboratory Equipment Reference Sheet:**

**Iron Ring:**



Description: Iron ring with a screw fastener; Several Sizes

Uses: To fasten to the ring stand as a support for an apparatus

**Buret Clamp/Test Tube Clamp:**



Description: Metal clamp with a screw fastener, swivel and lock nut, adjusting screw, and a curved clamp.

Uses: To hold an apparatus; May be fastened to a ring stand.

**Mortar and Pestle:**



Description: Heavy porcelain dish with a grinder.

Uses: To grind chemicals to a powder.

**Spatula:**



Description: Made of metal or porcelain.

Uses: To transfer solid chemicals in weighing.

**Triangular File:**



Description: Metal file with three cutting edges.

Uses: To scratch glass or file.

**Rubber Connector:**



Description: Short length of tubing.

Uses: To connect parts of an apparatus.

**Pinch Clamp:**



Description: Metal clamp with finger grips.

Uses: To clamp a rubber connector.

**Test Tube Rack:**



Description: Rack; May be wood, metal, or plastic.

Uses: To hold test tubes in an upright position.

**Plastic Wash Bottle:**



Description: Squeezable plastic bottle with angular tip.

Uses: To dispense distilled water.

**Test Tube Brush:**



Description: Brush with a wire handle.

Uses: To scrub glass apparatus.

**Stirring Rod:**



Description: Glass rod.

Uses: To stir combinations; To use in pouring liquids.

**Evaporating Dish:**



Description: Porcelain dish.

Uses: As a container for small amounts of liquids being evaporated.

**Glass Plate:**



Description: Thick glass.

Uses: Many uses; Should not be heated

**Watch Glass:**



Description: Curved glass.

Uses: May be used as a beaker cover; May be used in evaporating very small amounts of liquid.

**Funnel:**



Description: Glass or plastic.

Uses: To hold filter paper; May be used in pouring

**Medicine Dropper:**



Description: Glass tip with a rubber bulb.

Uses: To transfer small amounts of liquid.

**Forceps:**



Description: Metal

Uses: To pick up or hold small objects.

**Beaker:**



Description: Glass; Common sizes are 100 mL, 250 mL, 400 mL; Size is marked.

Uses: As a container, like a cup; May be heated.

**Graduated Cylinder:**



Description: Glass or Plastic; Marked with a milliliter (mL) scale).

Uses: To measure volume.

**Erlenmeyer Flask:**



Description: Glass; Common sizes are 125 mL, 250 mL, 500 mL; Size is marked.

Uses: May be heated.

**Florence Flask:**



Description: Glass; Common sizes are 125 mL, 250 mL, 500 mL; Size is marked.

Uses: May be heated.

**Test Tube:**



Description: Glass; Several Sizes.

Uses: Many uses; May be heated.

**Test Tube Holder:**



Description: Metal; Clamp with a spring handle.

Uses: To hold a test tube.

**Tongs:**



Description: Metal.

Uses: To pick up and hold an apparatus.

**Ruler:**



Description: Divided into centimeter and millimeter divisions.

Uses: To measure length.

**Clay Triangle/Pipestem Triangle:**



Description: Triangular wire frame with clay material coverings.

Uses: To support a crucible.

**Crucible and Cover:**



Description: Small porcelain dish with a cover.

Uses: To heat small amounts of solid material at a high temperature.

**Wire Gauze:**



Description: Wire screen with ceramic-fibered center.

Uses: To spread the head of a flame.

**Laboratory Burner/Bunsen Burner:**



Description: Metal heating device connected to a gas outlet with rubber tubing.

Uses: To heat chemicals in beakers or test tubes.

**Laboratory Safety Goggles:**



Description: Close-filling eyeglasses with side shields Uses: For protecting eyes from chemicals used in lab.

**Ring Stand:**



Description: Metal rod upright with a heavy base.

Uses: A support with many uses.

**Buret:**



Description: Glass; Marked with a milliliter (mL) scale and filled with a stopcock, pinch clamp, or glass bead.

Uses: To withdraw and measure volumes of solutions in titrations.

**Volumetric Flask:**



Description: Glass; Marked off to liter capacity with a glass stopper.

Uses: Used in the preparation of solutions.