chemistry 110 Chemistry 110 Lab Equipment

### Beaker

Beakers hold solids or liquids that will not release gases when reacted or are unlikely to splatter if stirred or heated.



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### Beaker Tongs



### Beaker tongs are used to move beakers containing hot liquids

### Bunsen Burner



Bunsen burners are used for the heating of nonvolatile liquids and solids.



Clay Triangle

The clay triangle is used as a support for crucibles when being

heated over a Bunsen

burner.

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### Buret Clamp

Buret clamps are used to burets long graduated tubes used in titration.



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### Crucible Tongs

For handling hot crucibles; also used to pick up other hot objects. <u>NOT</u> to be used for picking up beakers!



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# **Evaporating Dish**

The evaporating dish is used for the heating of stable solid compounds and elements.

### Erlenmeyer Flask



Erlenmeyer flasks hold solids or liquids that may release gases during a reaction or that are likely to splatter if stirred or heated.

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## Forceps

Forceps (or tweezers) are used to pick up small objects.



## Graduated Cylinder

A graduated cylinder is used to measure volumes of liquids.



### **Glass Stir Rod**



A glass rod is used to manually stir solutions. It can also be used to transfer a single drop of a solution.





### Spatulas

Spatulas are used to dispense solid chemicals from their containers.

Chemicals should never be transferred with your bare hands.















Test tube racks are for holding and organizing test tubes on the laboratory counter. Plastic racks may melt in contact with very hot test tubes.

### **Ring Stands**

Ring Stands are a safe and convenient way to perform reactions that require heating using a Bunsen burner.



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### Utility Clamps

Utility clamps are used to secure test tubes, distillation columns, and burets to the ringstand.





Iron rings connect to a ringstand and provide a stable, elevated platform for the reaction.



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### Rubber Stoppers

Rubber stoppers are used to close containers to avoid spillage or contamination.

Containers should never be heated when there is a stopper in place.

### **Spot Plates**

Spot plates are used when we want to perform many small scale reactions at one time. We will use these many times during the year.



### Watch Glass

A watch glass is used to hold a small amount of solid, such as the product of a reaction.



### Water Bottle



A water bottle has a spout that delivers a wash solution to a specific area. Distilled water is the only liquid that should be used in a wash bottle.

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