

# Module 1: Fundamentals of Biology

## Topic 4 Content: Biology Laboratory Equipment Notes

### Introduction

#### Biology Laboratory Equipment

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When participating in biology scientific investigations, you will use a variety of laboratory equipment. Some of this equipment has very specific purposes, while other equipment can be used for general functions. In this activity, click on each of the images and arrows to learn more about the laboratory equipment used in a chemistry lab.



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## Topic 4 Content: Biology Laboratory Equipment Notes

### Beaker

**Biology Laboratory Equipment**

**Beaker**

A beaker is used to mix and store solutions.



A beaker is used to mix and store solutions.

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## Topic 4 Content: Biology Laboratory Equipment Notes

### Erlenmeyer Flask

**Biology Laboratory Equipment**

#### Erlenmeyer Flask

An Erlenmeyer flask is used in titrations, and to easily swirl and mix liquids. It is also used to cover an evaporation dish or beaker.



An Erlenmeyer flask is used in titrations, and to easily swirl and mix liquids. It is also used to cover an evaporation dish or beaker.

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## Topic 4 Content: Biology Laboratory Equipment Notes

### Graduated Cylinder

**Biology Laboratory Equipment**

#### Graduated Cylinder

A graduated cylinder is used to accurately measure liquids, as well as to determine the volume of irregularly-shaped solid objects.



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## Topic 4 Content: Biology Laboratory Equipment Notes

### Test Tube and Rack

**Biology Laboratory Equipment**

#### Test Tube and Rack

A test tube is used to heat small amounts of solids at high temperatures. Test tube racks are designed to hold several test tubes in a vertical position, and may be used to store them.



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## Topic 4 Content: Biology Laboratory Equipment Notes

### Test Tube Holder

**Biology Laboratory Equipment**

#### Test Tube Holder

A test tube holder is used to hold a test tube while it is being heated. It is also used to support a crucible while heating it on a burner.



A test tube holder is used to hold a test tube while it is being heated. It is also used to support a crucible while heating it on a burner.

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## Topic 4 Content: Biology Laboratory Equipment Notes

### Ring Stand

**Biology Laboratory Equipment**

#### Ring Stand

A ring stand is used to support various lab glassware and their clamps.



A ring stand is used to support various lab glassware and their clamps.

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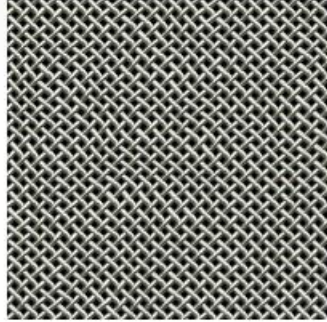
## Topic 4 Content: Biology Laboratory Equipment Notes

### Wire Gauze

**Biology Laboratory Equipment**

**Wire Gauze**

Wire gauze is used to spread the heat of a flame on a gas burner.



Wire gauze is used to spread the heat of a flame on a gas burner.



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## Topic 4 Content: Biology Laboratory Equipment Notes

### Clay Triangle

**Biology Laboratory Equipment**

**Clay Triangle**

A clay triangle is used to support a crucible while heating it on a gas burner.



A clay triangle is used to support a crucible while heating it on a gas burner.

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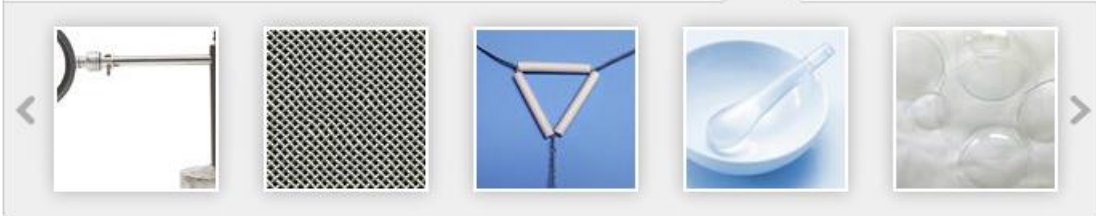

## Topic 4 Content: Biology Laboratory Equipment Notes

### Crucible

**Biology Laboratory Equipment**

**Crucible**

A crucible is a dish used to hold small amounts of substances during reactions. A crucible may also have a lid.



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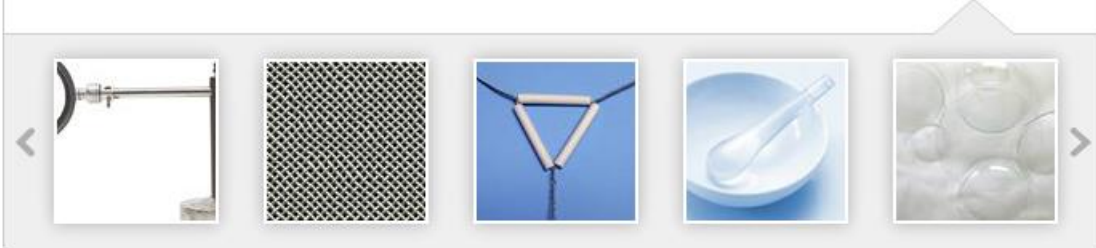

## Topic 4 Content: Biology Laboratory Equipment Notes

### Watch Glass

**Biology Laboratory Equipment**

**Watch Glass**

A watch glass is a small glass dish used to cover an evaporation dish or beaker.



A watch glass is a small glass dish used to cover an evaporation dish or beaker.

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## Topic 4 Content: Biology Laboratory Equipment Notes

### Wash Bottle

**Biology Laboratory Equipment**

**Wash Bottle**

A wash bottle is a plastic bottle which holds water which can be used to rinse out lab glassware.



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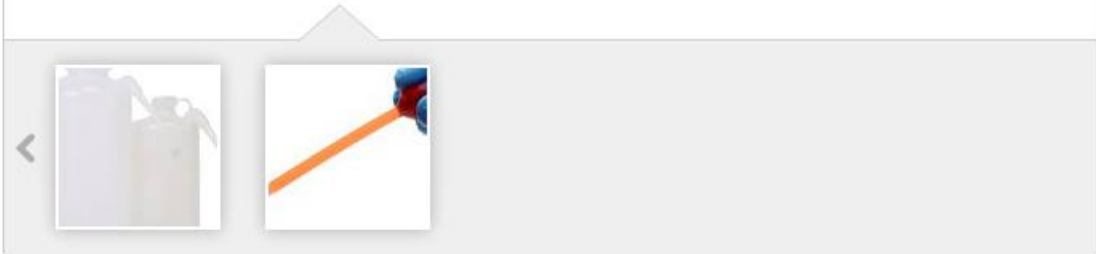

## Topic 4 Content: Biology Laboratory Equipment Notes

### Dropping Pipette

**Biology Laboratory Equipment**

**Dropping Pipette**

A dropping pipette is used to transfer small amounts of liquid.



A dropping pipette is used to transfer small amounts of liquid.