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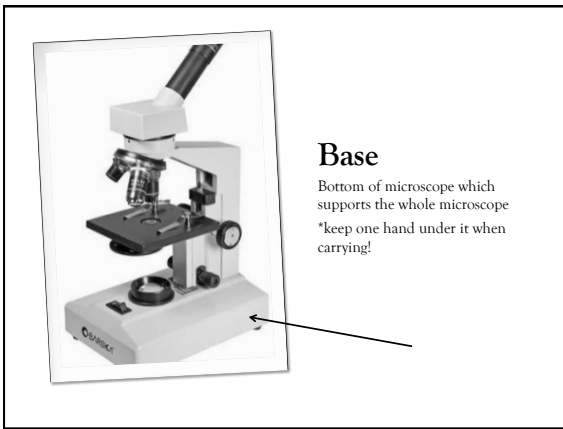
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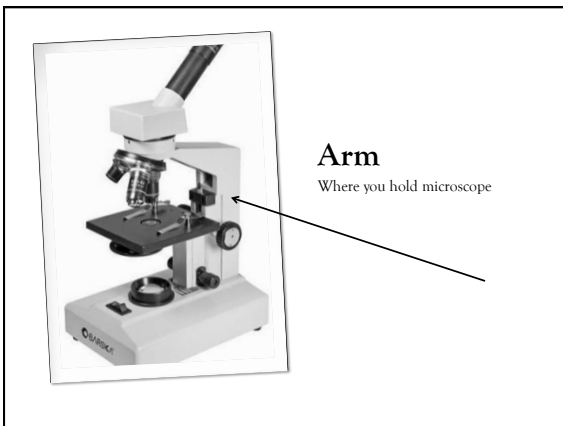
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**Ocular**  
Eye Piece  
Lens closest to your eye (10x)

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**Magnification**

- Refers to the power of the lens (the ability to make image appear larger than its size)
- 10x means 10 times larger than its size

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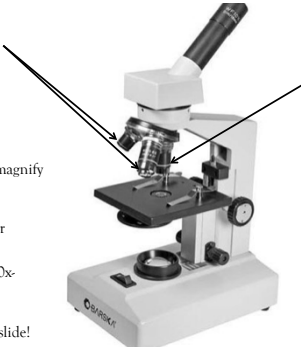
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**Objective**  
2<sup>nd</sup> set of lenses that help magnify the object  
They vary in size and power  
Low power (4x-shortest) (40x-longest)  
\*\*\*do not let them hit the slide!

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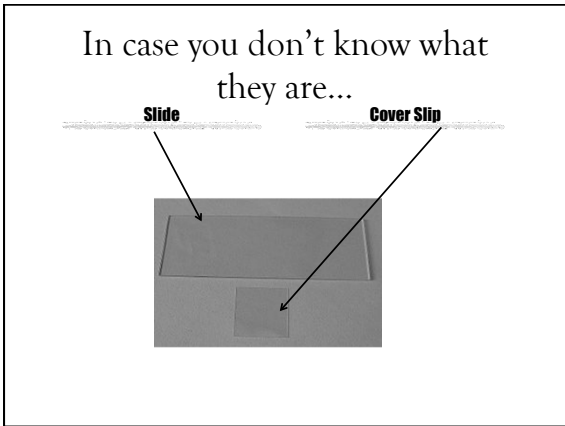
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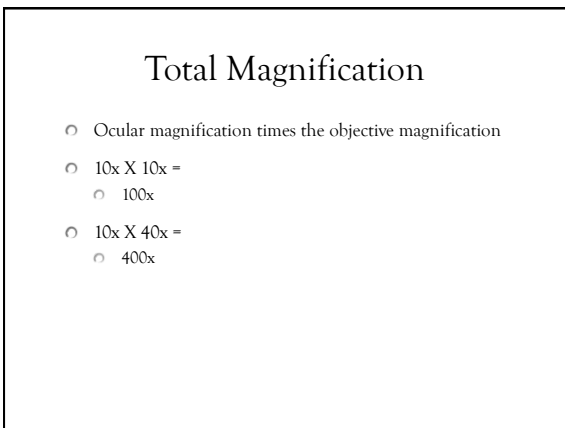
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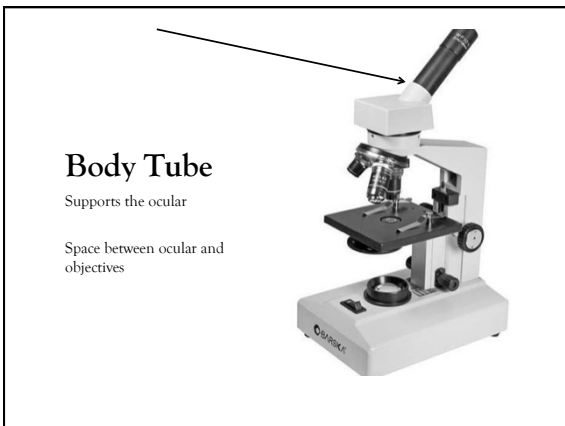
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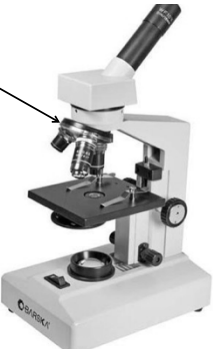
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**Revolving Nosepiece**  
Part that you can turn to change the objectives  
It revolves from objective to objective  
The objective will "click" into place



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**Stage**  
It's where you place your slide to view it



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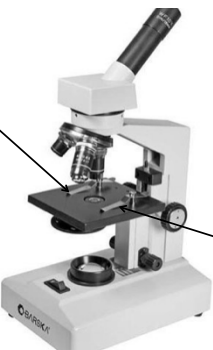
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**Stage Clips**  
Clips that hold your slide in place against the stage



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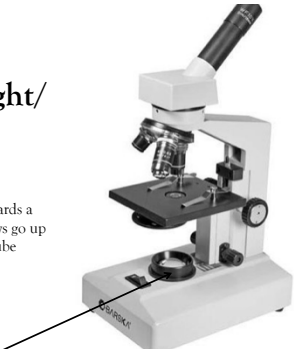
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**Substage Light/  
Mirror**  
Light source

Mirror can be turned towards a light source so that the rays go up towards the body of the tube



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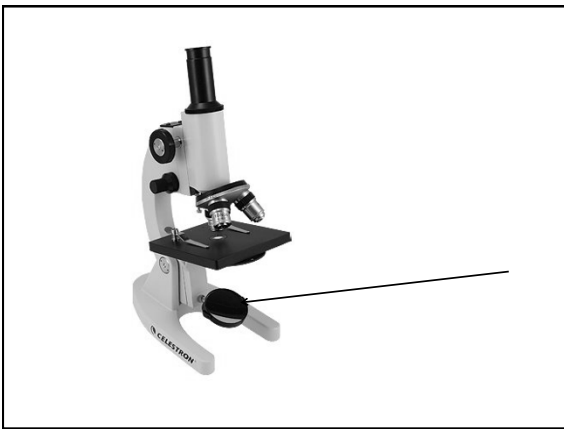
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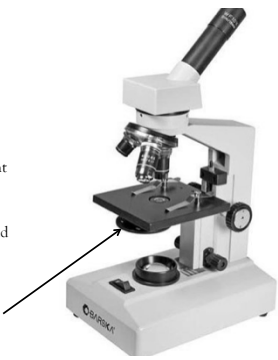
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**Diaphragm**  
Regulates the amount of light that enters the microscope

There are two kinds - iris and disc



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**Iris Diaphragm**  
This has a lever controlling size of opening where the light passes through



The diagram shows two circular iris diaphragm plates with different sized holes. To the right is a microscope with an arrow pointing to the iris diaphragm lever located below the objective lenses.

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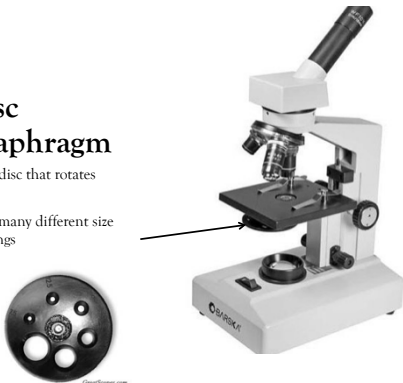
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**Disc Diaphragm**  
Has a disc that rotates  
It has many different size openings



The diagram shows a circular disc diaphragm with several holes of different sizes. To the right is a microscope with an arrow pointing to the disc diaphragm located below the objective lenses.

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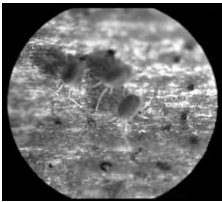
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**Field of View**

○ The area you can see when you look into the ocular



The image shows a circular field of view through a microscope, displaying a textured, granular surface with some darker spots.

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**Coarse Adjustment Knob**  
Large knob

Moves stage up and down quickly

Use this first on low power when beginning to focus

\*be careful not to hit the slide with the objective when doing this

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**Fine Adjustment Knob**  
Small knob

Moves stage slowly

Used for final focusing with high power

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**Working Distance**  
Amount of space between the objective and slide

\*less working distance on high power



Mounting Threads  
Objective Barrel  
Description and Specifications  
Magnification  
Color Code  
Figure 1  
Cover Slip  
Slide  
Objective Mounting Position  
Parfocal Distance  
Working Distance

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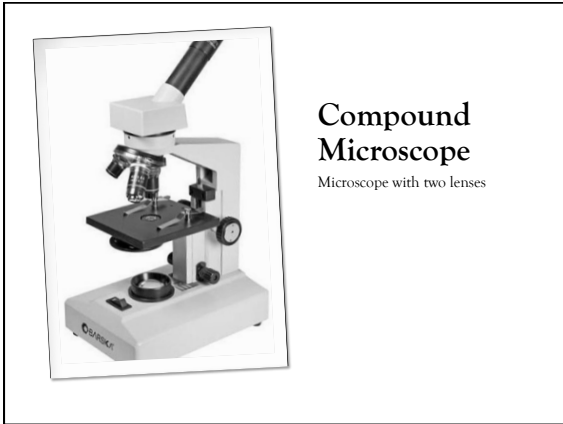
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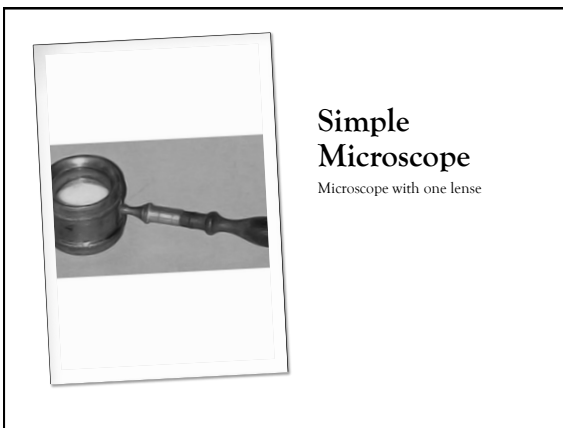
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**Quiz Time!**

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