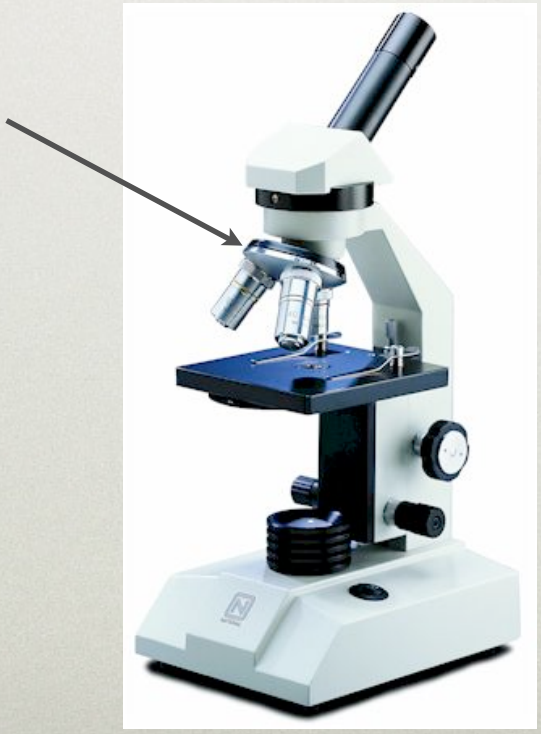
The Microscope

Directions: Use your iPad to search the Internet for Answers for the Blanks

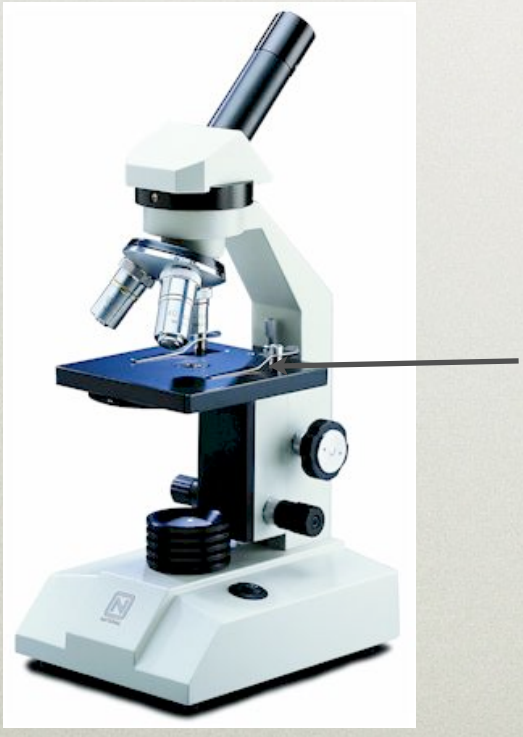
- Holds the objective lenses and the ocular lens at the proper distance

- Holds the objective lenses and can be turned to increase the magnification

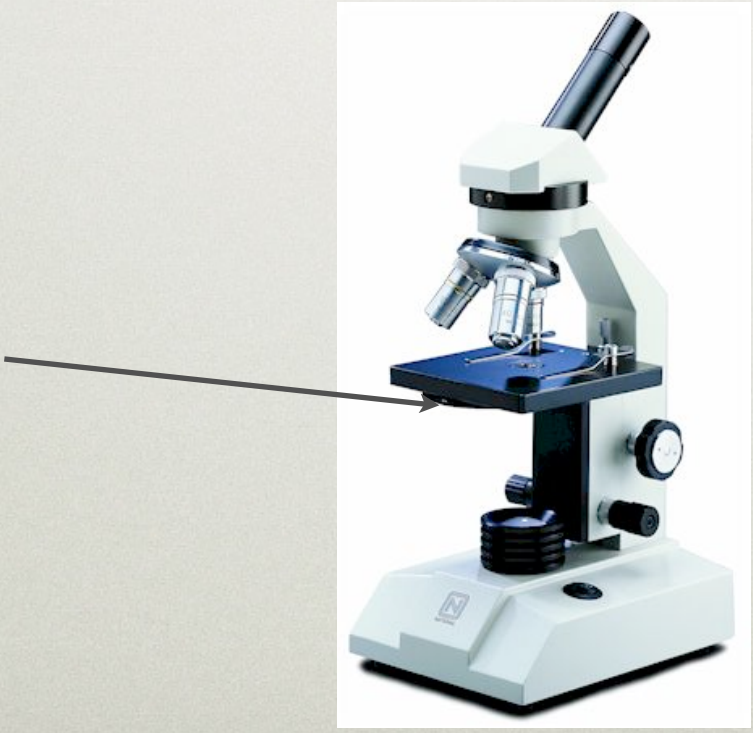


- Increase magnification (usually from 4x to 10x to 40 x)

- These 2 clips hold the slide in place on the stage.



- Controls the amount of light on the slide / specimen



- Projects light upwards through the diaphragm, the specimen and the lenses

- Magnifies the specimen image

- _____

  Used to support the microscope when carried. Holds the body tube, nose piece and objective lenses

- _____

  Supports the microscope

- Supports the slide

- _____

  Moves the stage up and down for focusing your image

- _____

  This knob moves the stage slightly to sharpen the image

What's my power?

- To calculate the power of magnification, multiply the power of the _____ lens by the power of the objective.

Ocular Lens: always magnifies by 10X

Objectives: magnify by 4x, 10x, or 40x

Calculating Magnification

- Magnification = Power of Ocular lens X power of objective you are using

X

- What is the magnification if you are using this objective?

[ ] X [ ] = [ ]

Steps to Using a Microscope

- 1) Set your microscope to the _____ objective.
- 2) Put your slide on the stage using the stage clips
- 3) Adjust the _____ focus knob.
- 4) Adjust the _____ focus knob until the image becomes clear.
- 5) Then you can switch to a _____ objective