



Parts of a Microscope

Thanks so much for downloading this file! Inside you'll find some fun learning resources to help you learn more about the parts of a microscope.

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August 2017

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Parts of a Microscope

Label the parts of the microscope. You can use the word bank below to fill in the blanks or cut and paste the words at the bottom.



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eyepiece

arm

stage clips

nosepiece

focusing knobs

illuminator

stage

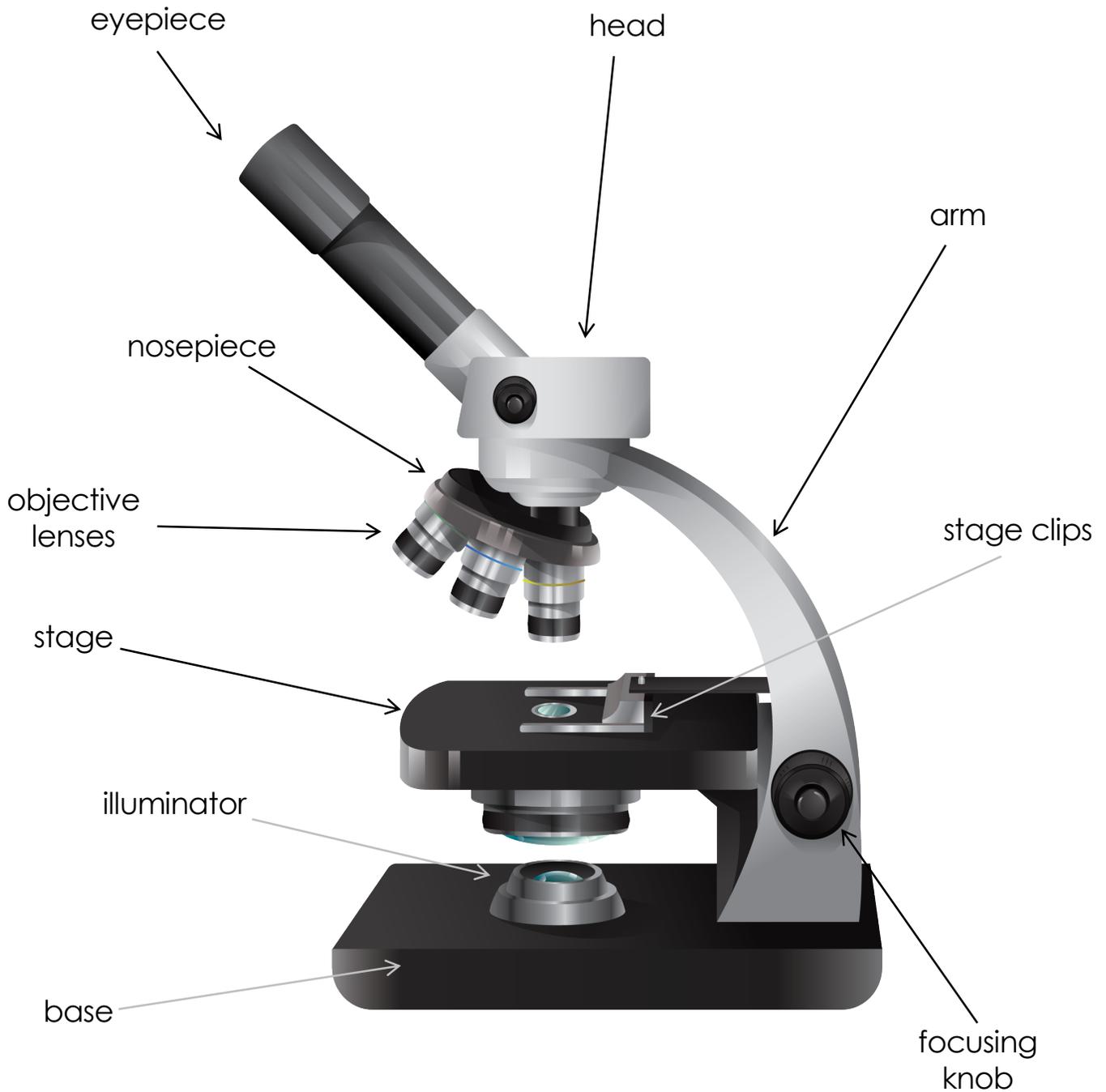
objective
lenses

head

base

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eyepiece	arm	stage clips	nosepiece	focusing knobs
illuminator	stage	objective lenses	head	base

True or False

The lenses in a microscope make items appear smaller.

How many parts of a microscope can you identify? Can you show the arm, stage, eyepiece, head, objective lens, illuminator, nosepiece, and stage clips?

Where is the safest place to hold or carry a microscope?

Which part of the microscope holds the specimen slide in place?

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Why do we use microscopes?

Which part of the microscope do you look through to see a specimen?

True or False

The eyepiece of a microscope is also called the ocular lens.

How do the focusing knobs help us as we use a microscope?

What are the three magnification levels on a microscope's objective lenses?

Which part of the microscope rotates so another person can look through the eyepiece without needing to move the microscope?

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What is the magnification level on the eyepiece of a microscope?

What do you call the organism on the slide that is being examined?

Trivia question *answers*

- The lenses in a microscope make items appear smaller. False
- Where is the safest place to hold or carry a microscope? the arm
- Which part of the microscope holds the specimen slide in place? the stage clips
- Why do we use microscopes? Microscopes help us see small organisms, or specimens. The various lenses on a microscope make the specimen appear much larger, or magnified, much more than the human eye can observe on its own.
- Which part of the microscope do you look through to see a specimen? the eyepiece (also called the ocular lens)
- How do the focusing knobs help us as we use a microscope? They help move the stage up/down and bring the specimen into focus so it can be observed in detail.
- What are the three magnification levels on a microscope's objective lenses? 4x, 10x, and 40x. The eyepiece on a microscope magnifies at 10x, so when used together, the 4x lens magnifies an item 40x, the 10x magnifies 100x, and the 40x magnifies 400x. (note: for typical student microscope - other microscopes will vary)
- Which part of the microscope rotates so another person can look through the eyepiece without needing to move the microscope? the head
- What is the magnification level on the eyepiece of a microscope? 10x (see objective lens magnification to see how these work together)
- What do you call the organism on the slide that is being examined? the specimen