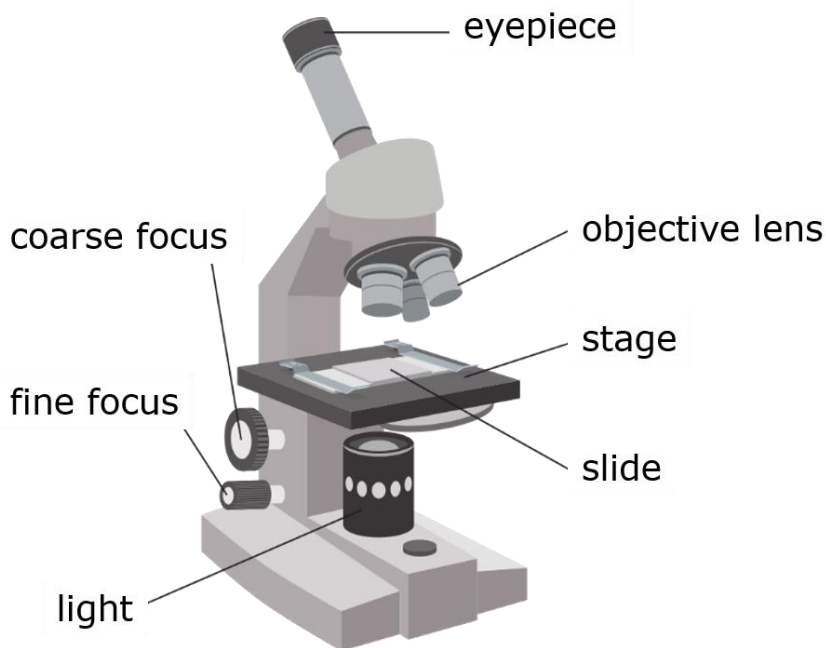


Looking at cells

To see a very small object in detail, you need to use a microscope.

This magnifies the image using lenses. Looking carefully and in detail at an object is called making an observation.

Parts of a microscope



Use the following steps to observe an object using a microscope.

- 1 Move the stage to its lowest position.
- 2 Place the object you want to observe on the stage.
- 3 Select the objective lens with the lowest magnification.
- 4 Look through the eyepiece and turn the coarse-focus knob slowly until you see your object.
- 5 Turn the fine-focus knob until your object comes into focus.
- 6 Repeat Steps 1 to 5 using an objective lens with a higher magnification to see the object in greater detail.

Quick question

List the six parts of a microscope.

Magnification

The eyepiece lens and objective lens in a microscope have different magnifications. Together they magnify the object.

For example,

- if you have an eyepiece lens of $\times 10$
- and an objective lens of $\times 20$
- the object would be magnified 200 times.

eyepiece lens magnification	\times	objective lens magnification	$=$	total magnification
10	\times	20	$=$	200

Quick question

If the eyepiece lens magnification is 5 and the objective lens magnification is 10, what is the total magnification?