

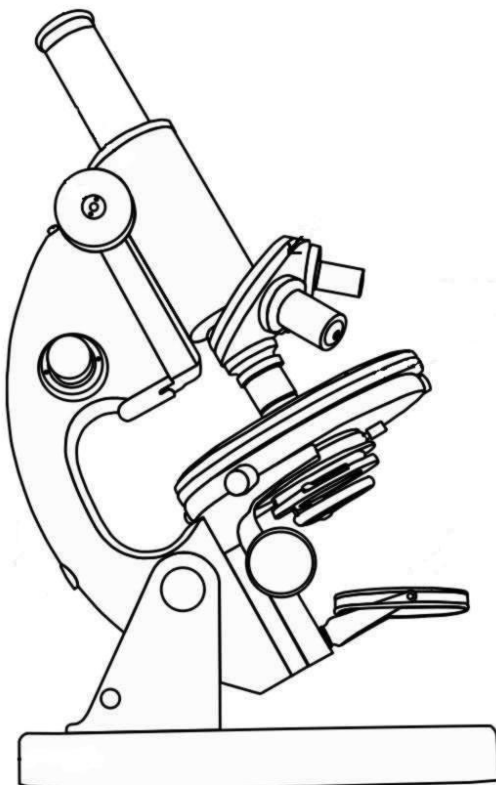
History of Microscopy

The first microscopes appeared at the beginning of the century. The word comes from the Greek and literally means *mikrós* – "small" and *skopeín* – "to see", i. e. to see small objects.

The term microscope first appeared in the year

In the microscope, the eyepiece (ocular) is used for magnification. It does not image the object directly. Instead, it magnifies the image created with the objective lens.

Here you can see two microscopes produced more than 200 years apart. Label both images with all the parts listed!



Eyepiece (ocular)

Body tube

Arm

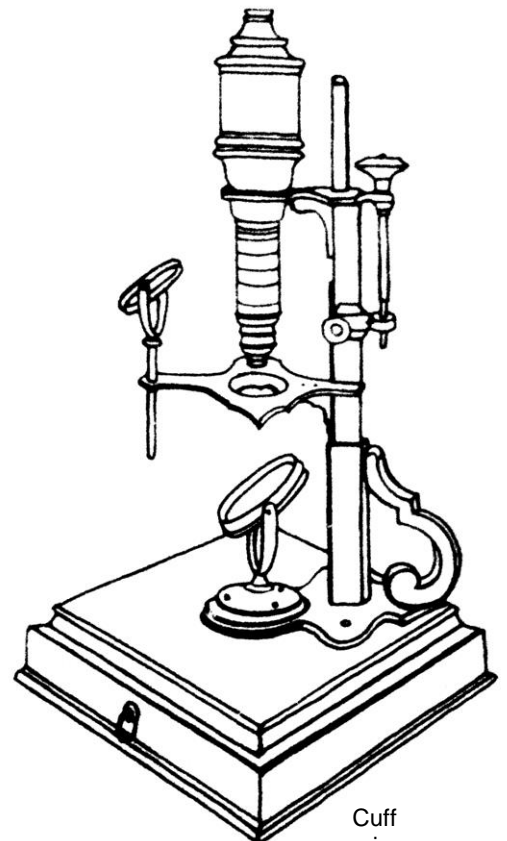
Objective lens

Stage

Light source

Mirror

Base



Cuff microscope, around 1743

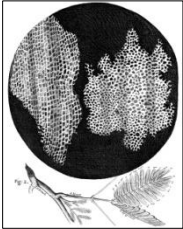
In the 17th century, there were a lot of natural scientists working with microscopes. Add the missing information below!



Name:

Discoveries:

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Robert Hooke

Discoveries:

He coined the term:

The microscope design changed significantly in the 18th century. List three differences!

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-
-



There were numerous companies producing microscopes in the 19th century, including Carl Zeiss in Jena. The instruments from this period were more powerful, which also enabled new discoveries.



Theodor Schwann



Matthias Jakob Schleiden

These two men developed the theory around the year

This theory posits that the smallest building block of all living things is the

In the 20th century, special methods were developed for industry and research. You can learn more about these in the next room. Write down two of these methods!

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