

Microscope

Apparatus

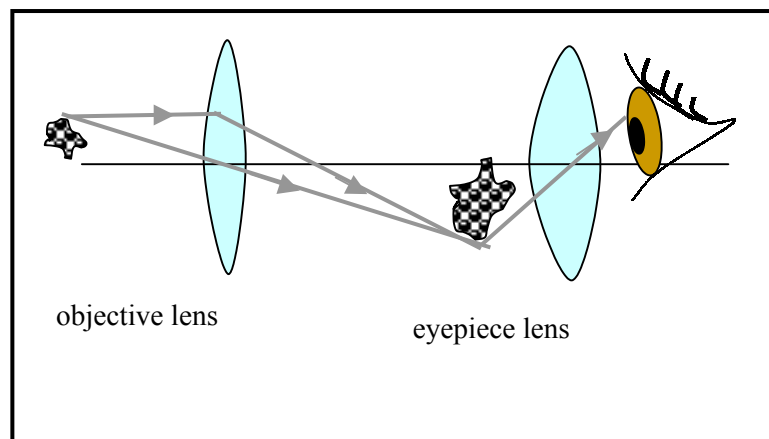
compound microscope and slides or small objects suitable for viewing through the microscope

Action

The students examine the slides or objects through the microscope. They should examine the lens system of the microscope, and draw a diagram showing how it works.

The Physics

A microscope is used to look at small objects close up. A simple microscope uses only one convex lens, and is really just a magnifying glass (described above). A compound microscope which is the most commonly used type, has a pair of convex lenses, as shown. The objective lens has a small focal length compared to the eyepiece lens. The image formed by the objective is viewed by the eyepiece which acts as a magnifier.



Accompanying sheet

Microscope

Use the microscope to look at a small object.

Examine the lenses in the microscope.

Describe how the microscope works.

What is the difference between a simple and a compound microscope?

What sort do you have here?