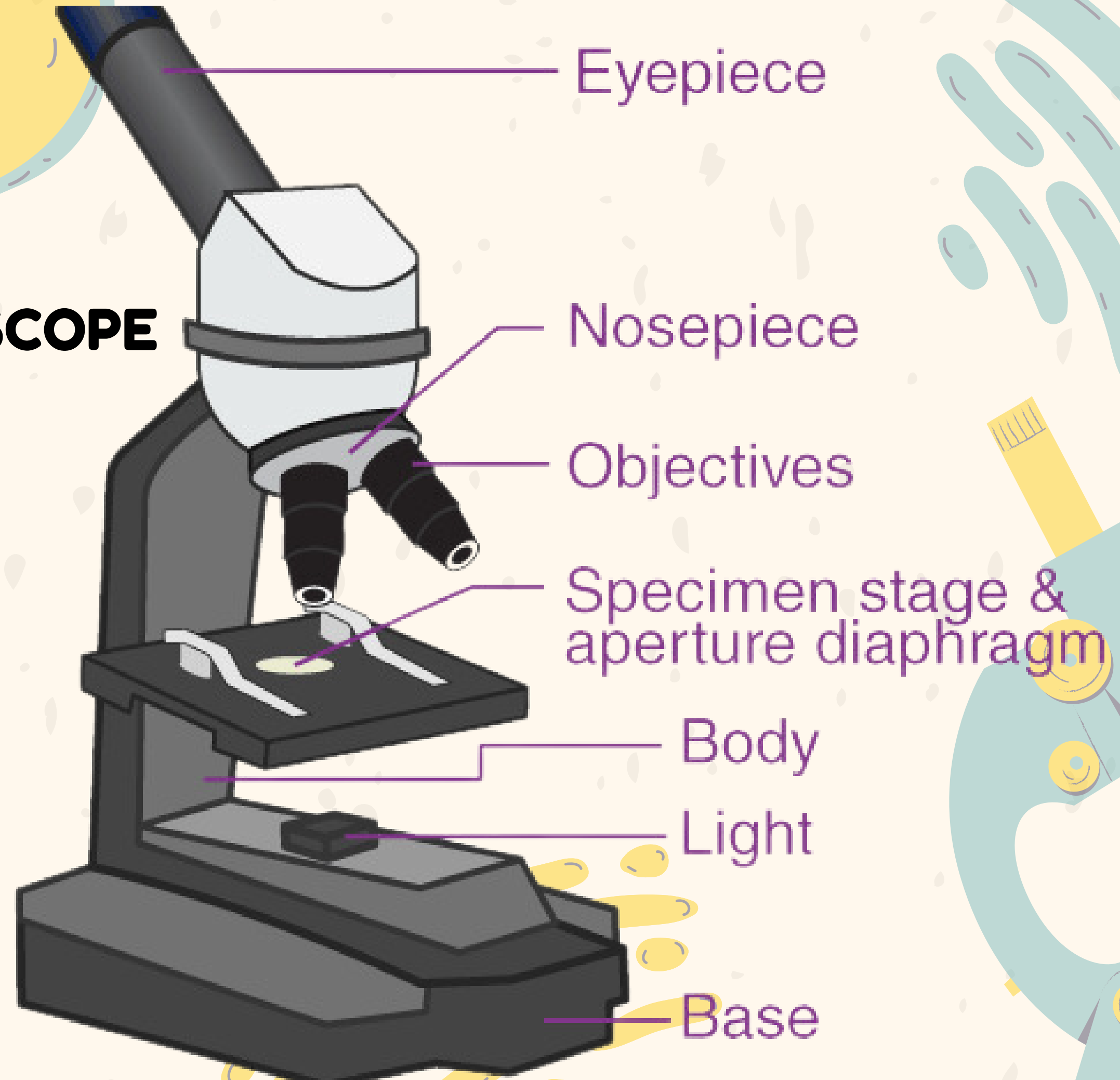


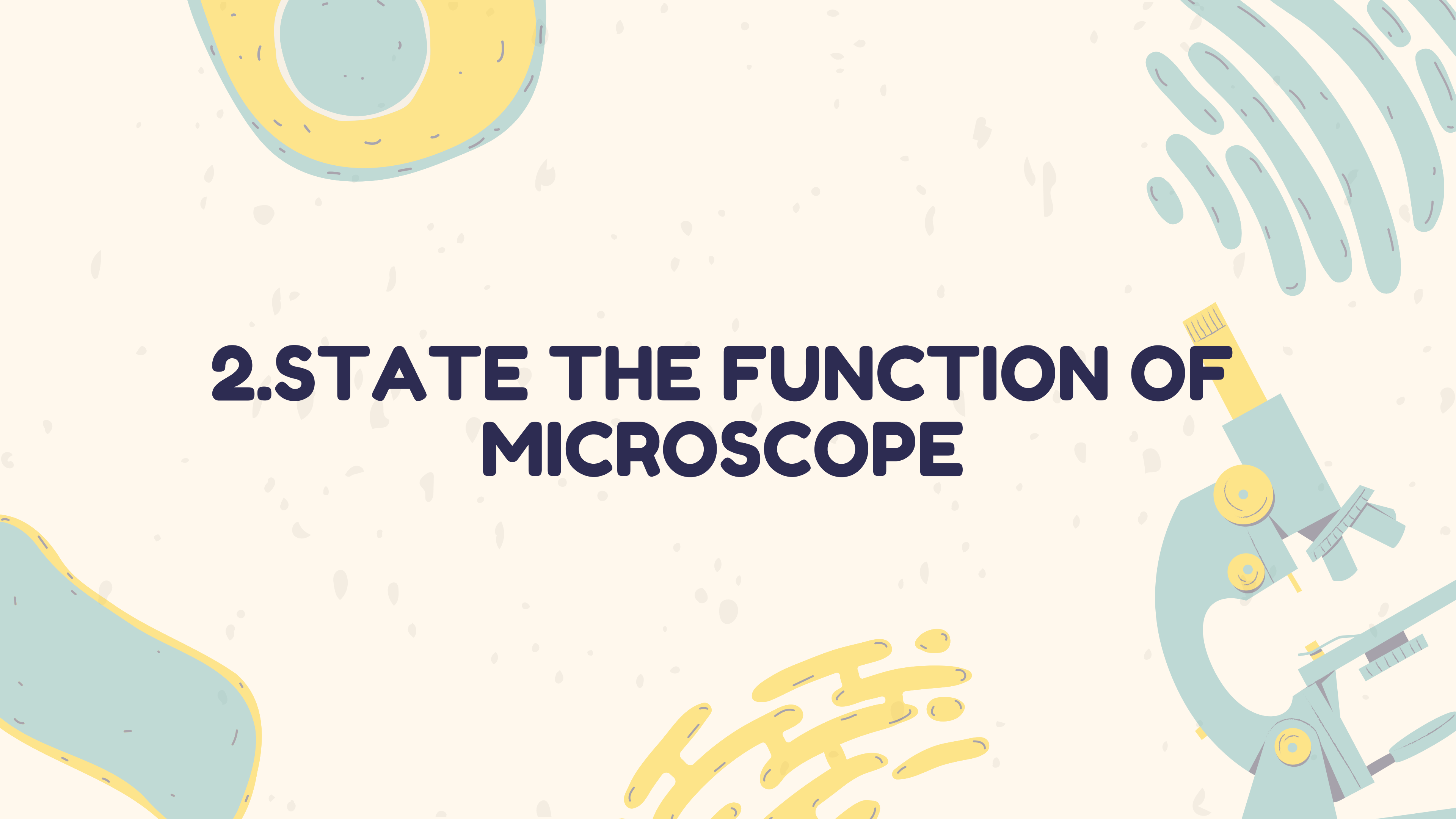
ANSWER ABOUT MICROSCOPE



1. LABEL THE MICROSCOPE



2.STATE THE FUNCTION OF MICROSCOPE





The Eyepiece.

View the magnified sample through the eyepiece. The lens magnifies the image ten times.

Objective lens

The lenses are rotated on the nosepiece to change magnification. These different lenses are referred to as the objectives, for example, "the 40x objective".



Specimen stage

The slide is placed on the stage for viewing.



Body/Arm

The body/arm is the structural part that connects the head part of the microscope to the base. It is also used for carrying the microscope.

A yellow, U-shaped component representing the base of a microscope.

Base

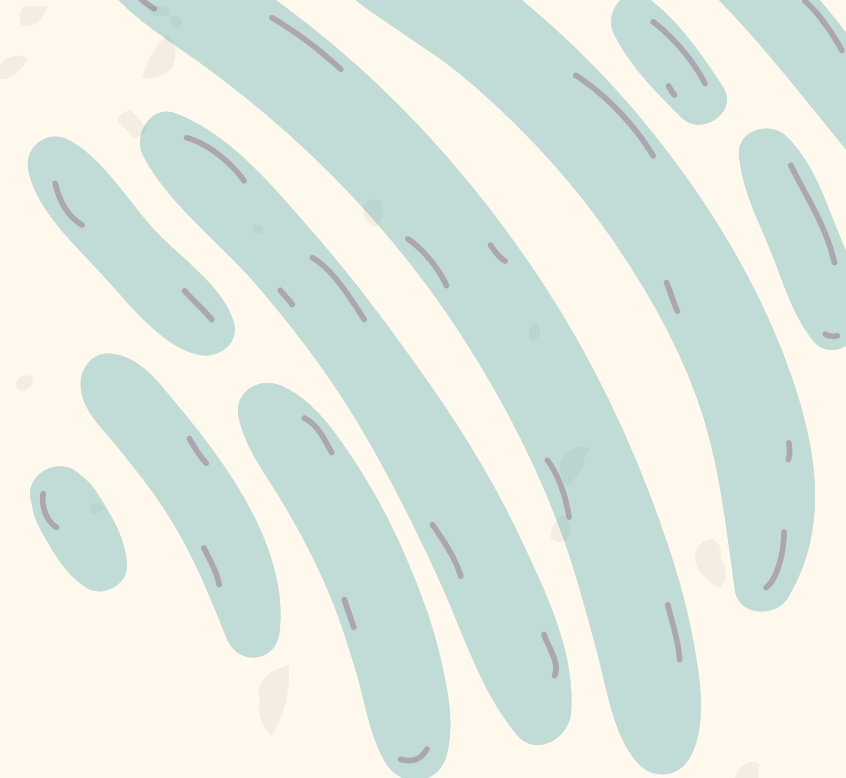
The base is the bottom of the microscope on which it stands. It provides overall support.

Nosepiece

Holds the objective lenses & attaches them to the microscope head.

Light

The light source projects up through the slide to illuminate the sample.



The background features several stylized illustrations of microscopic life forms. In the top left is a large yellow cell with a light blue nucleus. In the top right are several blue, rod-shaped bacteria. In the bottom left is a large, irregular blue cell. In the bottom center are several yellow, branching structures resembling coral or fungi. On the right side, a light blue microscope with yellow accents is partially visible.

WHY IS THE MICROSCOPE IMPORTANT IN REAL LIFE?

Microscopes allow scientists to investigate cell structure, view minute features of plants, animals, and fungus, and learn about bacteria. They also allow doctors to analyse items on a millimetre size, analysing materials that would otherwise be invisible to the human eye. Microscopes are widely used in many different sectors.


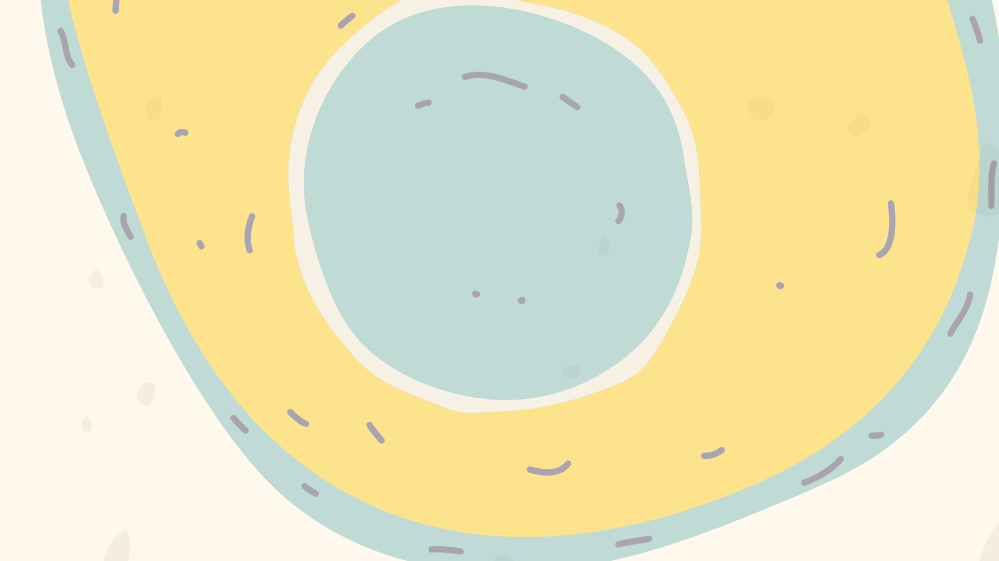




**THE MAGNIFYING POWER OF THE
COMPOUND MICROSCOPE IS THE
PRODUCT OF THE MAGNIFICATION
OF THE OBJECTIVE LENS AND**

_____.

Answer: Eyepiece



A stylized illustration of a microscope in the top right corner, featuring a light blue body and yellow eyepiece and objective lenses.A yellow circular object with a light blue center, possibly representing a lens or a specimen, located in the top left corner.A teal, curved object with a yellow outline, possibly representing a part of a microscope or a specimen, located in the bottom left corner.A yellow, curved object with a teal outline, possibly representing a part of a microscope or a specimen, located in the bottom center.

**WHAT IS THE METALLIC
PLATFORM THAT IS FITTED TO
THE LOWER PART OF THE ARM
WITH A HOLE IN THE CENTRE.**

Answer: Stage



**THE WHEEL UNDER THE STAGE
THAT ADJUSTS THE AMOUNT OF
LIGHT IS CALLED THE.**

Answer: Diaphragm

