

TAKEAWAYS :

- **the macroscopic (level) observation**

The macroscopic level observation is made with the five senses.

- **the microscopic (level)observation**

The microscopic observation requires to use tools.

- **a microscope**

*A microscope is a tool that magnifies small objects that can't be seen by **the naked eye**.*

Scientists observe specimen with a microscope.

- **the control units of the microscope include :**
 - fine and coarse adjustment knobs,
 - diopter adjustment and the stage control knob,
 - brightness adjustment etc.

- **coarse and fine knobs**

When in operation the objective lenses are manipulated by the coarse and fine knobs at 4x and 10-40x objectives respectfully.

- **the arm and base of a microscope**

One should hold a microscope by the arm and/or base .

- **a specimen slide**

We put a specimen slide onto the stage .

- **a piece of technology**

Microscopes are expensive pieces of technology

- **Taxonomic rank :**

- life
- domain
- kingdom
- phylum
- class
- order
- family
- genus
- species / spēshēz/ , / spēshiz /

- **a beaker (in a lab)**

- Please , measure 200 ml of the mixture in the beaker and bring it over here .