

Science Fables

Types of Microscopes

Story Quiz

This quiz checks what you learned about simple and compound microscopes — how they work and how they help us see a tiny world.

1. What does a microscope help us do?

- A. See very small things more clearly
- B. Measure the temperature of water
- C. Measure the weight of objects
- D. Make objects move faster

2. What is the main difference between a simple microscope and a compound microscope?

- A. A simple microscope uses one lens, while a compound microscope uses more than one lens
- B. A simple microscope uses light, while a compound microscope does not
- C. A simple microscope is only used for cells, while a compound microscope is only used for plants
- D. A simple microscope has more lenses than a compound microscope

3. Which microscope part keeps the slide in place?

- A. Stage clips
- B. Eyepiece
- C. Light source
- D. Base

4. If the eyepiece magnification is 10× and the objective magnification is 4×, what is the total magnification?

- A. 14×
- B. 40×
- C. 6×
- D. 400×

5. Which part of a compound microscope is used to make small changes to sharpen the image?

- A. Eyepiece
- B. Stage
- C. Fine adjustment knob
- D. Base

Answer Key



1. A — See very small things more clearly

A microscope helps us see very small things more clearly.

2. A — A simple microscope uses one lens, while a compound microscope uses more than one lens

A simple microscope uses one lens, while a compound microscope uses more than one lens.

3. A — Stage clips

Stage clips keep the slide in place.

4. B — 40×

Total magnification is $10\times \times 4\times = 40\times$.

5. C — Fine adjustment knob

The fine adjustment knob is used to make small changes to sharpen the image.