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× × 4× = 40×.

5. C — Fine adjustment knob

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