



# The Compound Light Microscope

**Goal** • This page tests your knowledge of microscopes.

## What to Do

### Part A

Beside each function on the left-hand side, place the letter representing the microscope part on the right-hand side that best matches the function. (8 marks)

#### Function

- \_\_\_ 1. holds the slide in place
- \_\_\_ 2. lens closest to the eye
- \_\_\_ 3. controls the amount of light reaching the object
- \_\_\_ 4. allows you to switch magnifications
- \_\_\_ 5. magnifies the object
- \_\_\_ 6. supports the microscope slides
- \_\_\_ 7. used for focussing at low power
- \_\_\_ 8. used for focussing at high power (fine tuning)

#### Microscope part

- (a) objective lens
- (b) ocular lens
- (c) revolving nosepiece
- (d) coarse-adjustment knob
- (e) stage clips
- (f) fine-adjustment knob
- (g) diaphragm
- (h) stage

### Part B

Answer the questions below in full sentences.

1. What is the difference between the simple microscope used by Anton von Leeuwenhoek and the compound light microscope that you have been using? (2 marks)

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2. Name three parts of a compound light microscope that have names similar to the names of human body parts. (3 marks)

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3. Name two other kinds of microscopes mentioned in your textbook that have not been mentioned on this page. (2 marks)

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Total: /15