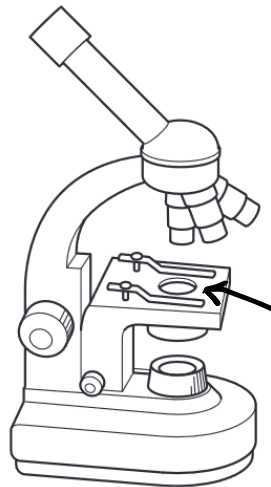


GCSE Biology B (Twenty First Century Science)
J257/01 Breadth in Biology (Foundation)

Question Set 10

Multiple Choice Questions

1. (a) A student is setting up a light microscope to look at a slide of onion cells, as shown below.



light microscope

Draw an arrow **on the diagram** to show where the student should place the slide.

- (b) When the student looks down the lens the image is blurry. [1]

Describe what the student needs to do to focus the image.

turn the coarse & fine adjustment knob to move stage up and down until the image is focused [1]

- (c) The student knows the power of the eyepiece lens and the power of the objective lens.

How should the student work out the total magnification of the image?

- (d) *product of power of eyepiece lens & power of objective lens* [1]
The student draws one of the onion cells. The teacher asks the student to label the structure where the chromosomes are located.

Which structure should the student label?

Tick (✓) **one** box.

Cell wall

Chloroplast

Nucleus

[1]

Total Marks for Question Set 10: 4

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