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One of your required practicals is to prepare a slide to view under a microscope

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1

Describe how to prepare a slide to view a plant epidermis under a microscope

[5 marks]

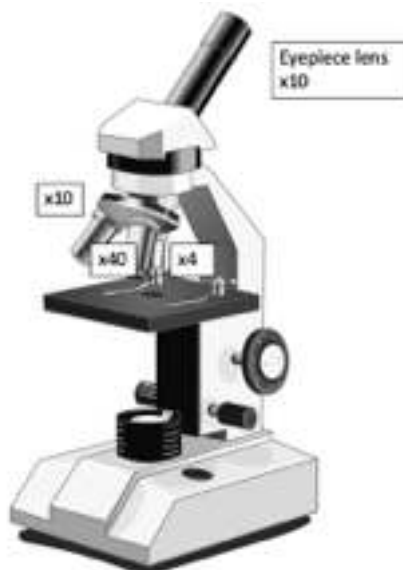
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2

The light microscope below has one eyepiece lens and 3 objective lenses and the magnification of each has been labelled. When viewing the specimen for the first time which objective lens should a student use? Give a reason for your choice.

[2 marks]



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3

Under this magnification the student begins to draw a low power microscope drawing. State the total magnification she is viewing the specimen at

[2 marks]

0 1 . 4

Evaluate the use of light microscopes over electron microscopes

[4 mark]

0 2 . 1

If you have an image of a cell that is 10mm wide and it is magnified by x400, what is the real or actual size of the cell in mm?

[2 marks]

0 2 . 2

The drawing of a muscle cell below has a scale bar that represents 0.1mm in length. Calculate the magnification of the muscle cell drawing.

[2 marks]

