



Microscopy

1 Define the term 'resolution'

Resolution means how close together two objects can be, and still be seen as separate objects.

[1 marks]

2 Name two types of microscope

- 1) Electron microscope
- 2) Light microscope

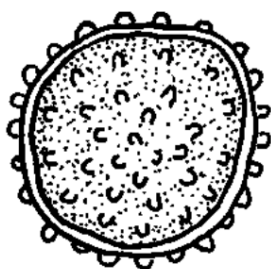
[2 marks]

3 Fill in the missing values in the table below

Microscope Type	Resolution Level	Limited by Wavelength of
Light	Low	Light
Electron	Very High	Electrons

[4 marks]

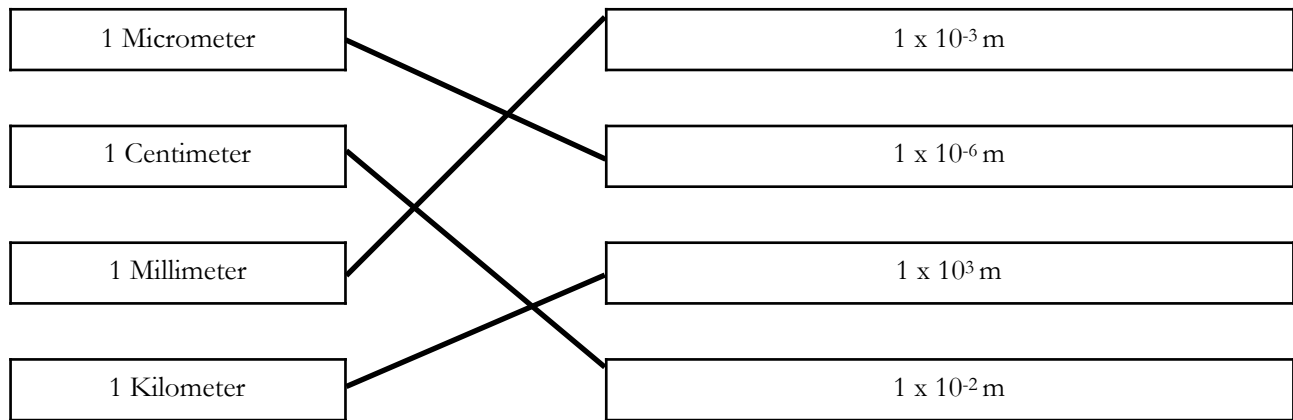
5 A mushroom spore is viewed under a microscope. The actual spore is 45 micrometers wide. Using the diagram below, calculate the magnification of the image



Magnification = 700 - 850 x on A4 paper
 350 - 425 on A5 paper

[2 marks]

6 Match the units of measurement below with their equivalent in standard form



[4 marks]

[Total - 13 marks]