



Microscopy

1 Define the term 'resolution'

.....

[1 marks]

2 Name two types of microscope

1)

2)

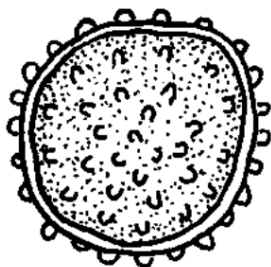
[2 marks]

3 Fill in the missing values in the table below

Microscope Type	Resolution Level	Limited by Wavelength of
	Low	
	Very High	

[4 marks]

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



Magnification =

[2 marks]

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

1 Micrometer

1×10^{-3}

1 Centimeter

1×10^{-6}

1 Millimeter

1×10^3

1 Kilometer

1×10^{-2}

[4 marks]

[Total - 13 marks]