

0	1		1
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A cell membrane measures 8nm across. Convert this into micrometers **[1 mark]**

0	1	.	2
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A plant cell measures 100 micrometers in length. Convert this into standard form. Ensure it is in meters.

[2 marks]

0	1	.	3
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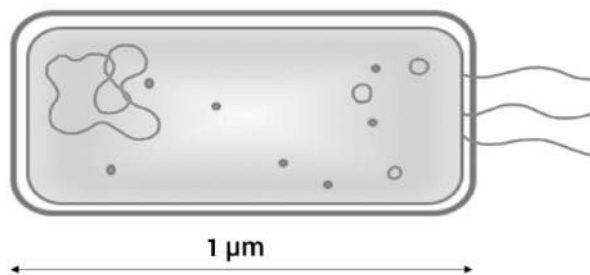
A HIV virus measures 1×10^{-7} m in diameter. Convert this into nm (non-standard form)

[2 marks]

0	1	.	4
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A red blood cell measures 7 micrometers in diameter. How many times larger is it then the prokaryotic cell below?

[2 marks]



0	1	.	5
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The head of a pin is approximately 1mm in diameter. How many prokaryotic cells, like the one pictured above, would fit across the length of the pin head?

[2 marks]

0	2	.	1
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The unit that is equal to $1 \times 10^{-2}\text{m}$ is a centimetre. What is the name given to the unit that is equal to $1 \times 10^{-9}\text{m}$?

[1 mark]

0	2	.	2
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By how many orders of magnitude is a centimetre larger than a micrometer?

[1 mark]
