

(i) State why this graph shows that there is a negative correlation between the mitotic index and the distance from the root cap.

(1)

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(ii) A student counted the number of cells in mitosis and the number of cells in interphase. There were 3 cells in mitosis and 91 cells in interphase.

Using the formula for mitotic index and the information in the graph, calculate how far from the root cap this count was made.

Show your working.

(3)

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