

**GCSE Biology A (Gateway)**

**J247/02 B4-B6 and B7 Foundation (Foundation Tier)**

**Question Set 27**

1

A student investigates plants growing underneath a tree.



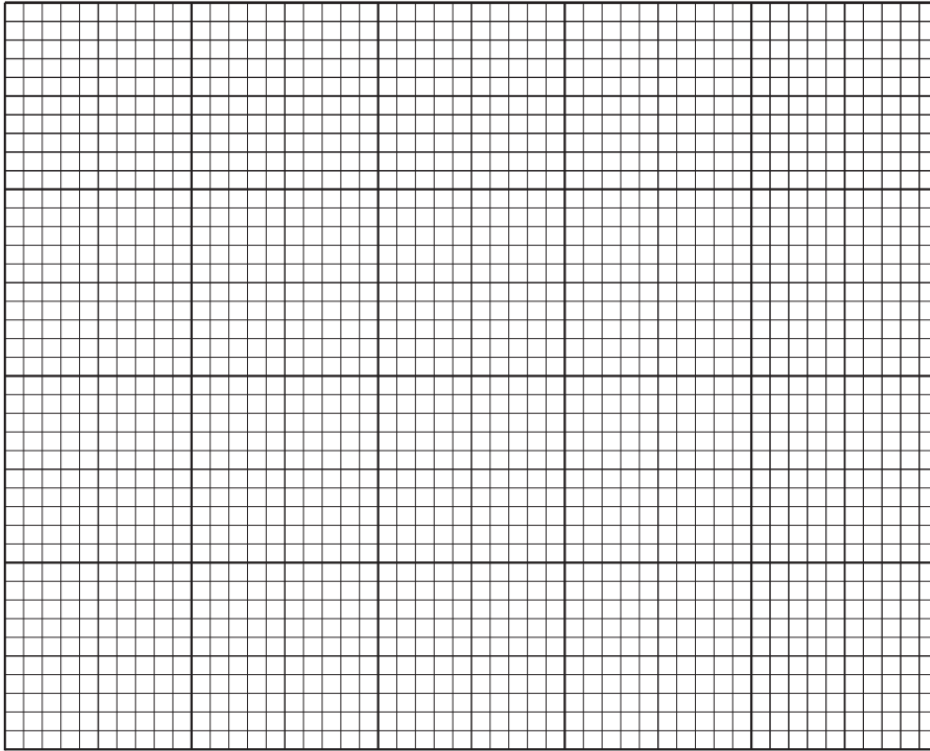
He lays out a tape measure on the ground, starting at the tree. He then places a quadrat on the ground.

He measures the percentage of the ground in the quadrat that is covered by plants. He repeats this every metre away from the tree.

The table shows his results.

<b>Distance from the tree (m)</b>	<b>Percentage of ground covered by plants (%)</b>
1	10
2	15
3	18
4	22
5	50
6	58
7	62
8	64

- (a) Plot a graph of the student's results and draw a line of best fit.



[5]

- (b) The student thinks that shade from the tree is affecting the plants.

Explain how the student's results show this.

[4]

**Total Marks for Question Set 27: 9**

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