

## **GCSE Biology B (Twenty First Century Science)**

J257/03 Breadth in Biology (Higher)

**Question Set 2** 

- 1. A student is carrying out a field investigation to determine the population of woodlice in the school's wildlife garden.

  (a) Describe a method the student could use to determine the population size of woodlice.

  Capture a sample of woodlice from an over and mark them.

  The release the indivolvals.

  The capture a second sample and count number of marked individuals.
  - Then USE \_\_\_\_\_\_ Number marked in 1st sample × Number receptured

    Number acaptured that are marked

    [4]
  - (b) Woodlice are often found under logs and bark where it is damp. Suggest why woodlice prefer damp places.

Because her they lose less water by osmosis. [2]

**Total Marks for Question Set 2: 6** 



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