

WJEC Wales Biology GCSE

SP2.1 - Field Investigation

Flashcards

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How should a field be set up for random sampling?



How should a field be set up for random sampling?

By laying two tape measures at right angles on the field to set up a coordinate system.



How should students decide where the quadrats are placed?



How should students decide where the quadrats are placed?

By using a random-number generation to produce coordinates. Place quadrat down at the coordinates using the tape measure as a guideline.



How is the population size for the site measured?



How is the population size for the site measured?

Population size = total area / area of quadrat x mean number of individuals counted in a quadrat



State the controlled variables of this practical.



State the controlled variables of this practical.

Size of quadrat

Coordinate system

Number of quadrats per site

Area of sites



Why does a random number generator need to be used?



Why does a random number generator need to be used?

To avoid bias in random sampling.



State a hazard and safety precaution involved in this practical.



State a hazard and safety precaution involved in this practical.

Certain plants may cause allergic reactions. Wear gloves when handling.

