

OCR (A) Biology GCSE

B6.1 - Maintaining the environment

Flashcards

What tool could be used to record the abundance of different plant species in a habitat?

What tool could be used to record the abundance of different plant species in a habitat?

A quadrat

What tool could be used to record the abundance of different flying insect species in a habitat?

What tool could be used to record the abundance of different flying insect species in a habitat?

A sweep net

What tool could be used to record the abundance of different small crawling animal species in a habitat?

What tool could be used to record the abundance of different small crawling animal species in a habitat?

A pitfall trap

Describe the mark-release-recapture method

Describe the mark-release-recapture method

- Use a trap to capture some animals
- Mark the captured animals
- Release the animals
- Set up the trap again in a couple of days
- Note the number of animals in the recapture and the number of those that are marked

Give 5 negative impacts that humans
have on the environment

Give 5 negative impacts that humans have on the environment

- Hunting
- Deforestation
- Pollution
- Land use
- Pesticides

Give 5 positive impacts that humans
have on the environment

Give 5 positive impacts that humans have on the environment

- Sustainable farming
- Captive breeding programmes
- Creating nature reserves
- Recycling
- Preserving habitats

Define biodiversity

Define biodiversity

The variety in all the species living in an ecosystem

Give 3 benefits to maintaining biodiversity

Give 3 benefits to maintaining biodiversity

- Ecotourism provides money for the local economy
- It can prevent extinction
- Some animals or plants may have useful medicinal properties

Give 2 challenges to maintaining
biodiversity

Give 2 challenges to maintaining biodiversity

- It is sometimes difficult to gain political agreement on policies
- Maintaining biodiversity is expensive

How can changes in water levels affect ecosystems? (Higher)

How can changes in water levels affect ecosystems? (Higher)

- Animals may have to migrate to find water
- Melting ice caps may destroy the habitats of some animals (either animals living in icy regions or by sea level rise)

How can atmospheric gases affect ecosystems? (Higher)

How can atmospheric gases affect ecosystems? (Higher)

- Some organisms cannot survive when certain gases are present
- Polluted water can cause illness to animals that drink it