

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

