AQA, OCR, Edexcel

GCSE Science

GCSE Biology

Maintaining Biodiversity
Answers

Name:

M M E

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Total Marks: /18

Q1: Explain the importance of maintaining biodiversity.

A=: Maintain/ Reduce negative effects on an ecosystem.

(1 mark)

Q2: Why are breeding programs essential for maintaining biodiversity?

A= Accept any 2 of the following:

- Restore endangered species
- Sustainable population
- Step towards restoring habitats

(2 marks)

Q3: Give an example of an international breeding program.

A= Accept any of the following:

- Panda
- Elephants
- Przewalski Horse

Also accept another prominent breeding program

(1 mark)

Q4: Protecting habitats to maintain biodiversity is also essential to survival of species. Give an example of a habitat type that is currently under protection.

A= Accept any of the following:

- Coral Reef
- Mangrove
- Heathland

(1 mark)

Q5: How can coral reefs be protected?

A= Accept any of the following:

- Reduce carbon dioxide emissions
- Prevent fishing

(1 mark)

Q6: Due to the developments in agriculture many hedgerows and field margins were removed. Discuss the ways this damages the habitat and how these are now being restored.

A= 3 marks awarded removal points / 3 marks awarded restoration points.

Removal:

- Single crops – low biodiversity
- Remove animal species
- Reduce soil quality

Restore:

- Replant hedgerows and field margins
- Increase biodiversity
- Improve soil

(6 marks)

Q7: What alternative can governments encourage to the rainforest to prevent deforestation?

A= Tourism

(1 mark)

Q8: Targets are now being set by many governments to reduce their carbon dioxide emissions. How can this help maintain biodiversity?

A= Stabilise habitats

(1 mark)

Q9: Give 2 ways biodiversity of habitats can be maintained by recycling?

A= Accept any 2 of the following:

- Reduce carbon dioxide
- Reduce land required
- Cleaner/ Greener cars
- Reduce land fill
- Methane generators

(2 marks)

Q10: How can governments improve their recycling numbers?

A= Accept any 2 of the following:

- Tax on landfill
- Education
- Offer easy ways to recycle

(2 marks)