

AQA, OCR, Edexcel

GCSE Science

GCSE Biology

Biodiversity Answers

Name:

M M E

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Total Marks: /21

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Q1: Give a definition of biodiversity.

A= Measurement of the variety of species in a specific ecosystem

(1 mark)

Q2: How does a wide biodiversity impact an ecosystem?

A= Ensures stability of an ecosystem

(1 mark)

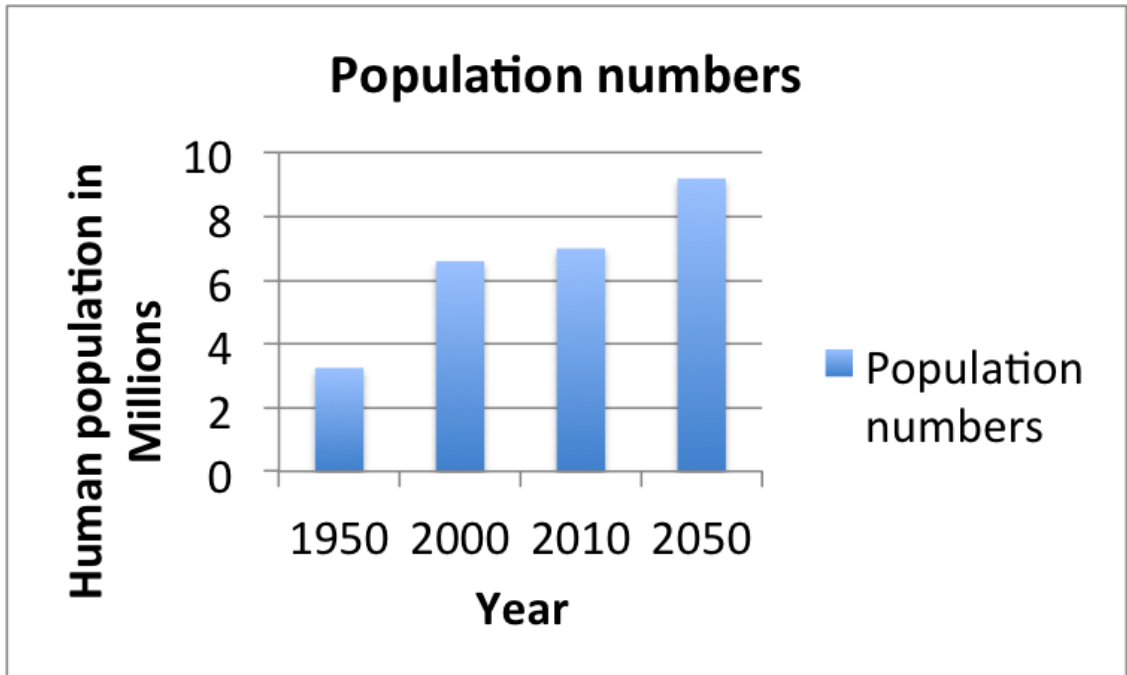
Q3: Explain why the human population has expanded so rapidly.

A= 1 mark for each point.

- Farm more naturally available in the wild – eg fields
- Medicine/ Treat disease
- No natural predators

(3 marks)

Q4: Predict the population by 2050 by filling in the bar chart below.



A= Approx. 9 million +/- 0.5 million to award mark

(1 mark)

Q5: What species has the greatest impact upon an ecosystem?

A= Humans

(1 mark)

Q6: Discuss ways in which the human race is having an effect upon the world and its resources.

A= Accept any 6 of the following:

- Increased living space
- Increased farming land
- Increased carbon emissions
- Increased waste
- Increased destruction of habitats
- Increased competition for resources with other species

(6 marks)

Q7: What does the human species need to do in order to survive?

A= Maintain good biodiversity

(1 mark)

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Q8: Give an example of how we can reduce our impact on natural resources.

A= Accept any 3 of the following:

- Recycle
- Reduce extraction of natural resources
- Renewable energy
- Decrease carbon output

(3 marks)

Q9: Give 3 examples of resources humans are using up from the environment.

A= 1 mark for any 3 of the following points:

- Minerals
- Fossil Fuels
- Space
- Food

(3 marks)

Q10: As technology improves humans are expected to have even longer life expectancies. Explain how this could impact biodiversity.

A= Accept any 3 of the following:

- Larger resource needed
- Increase in demand for food
- Reduce other species numbers
- Destabilize biodiversity

(3 marks)