

**AQA, OCR, Edexcel**

# GCSE Science

## GCSE Biology

### Abiotic and Biotic Factors Questions

Name:

**M M E**

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Total Marks: /22

Q1: Explain what a biotic factor is.

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(1 mark)

Q2: Give 3 examples of abiotic factors.

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

(3 marks)

Q3: Describe how temperature can be a limiting factor in plant growth and the effect seen in animals.

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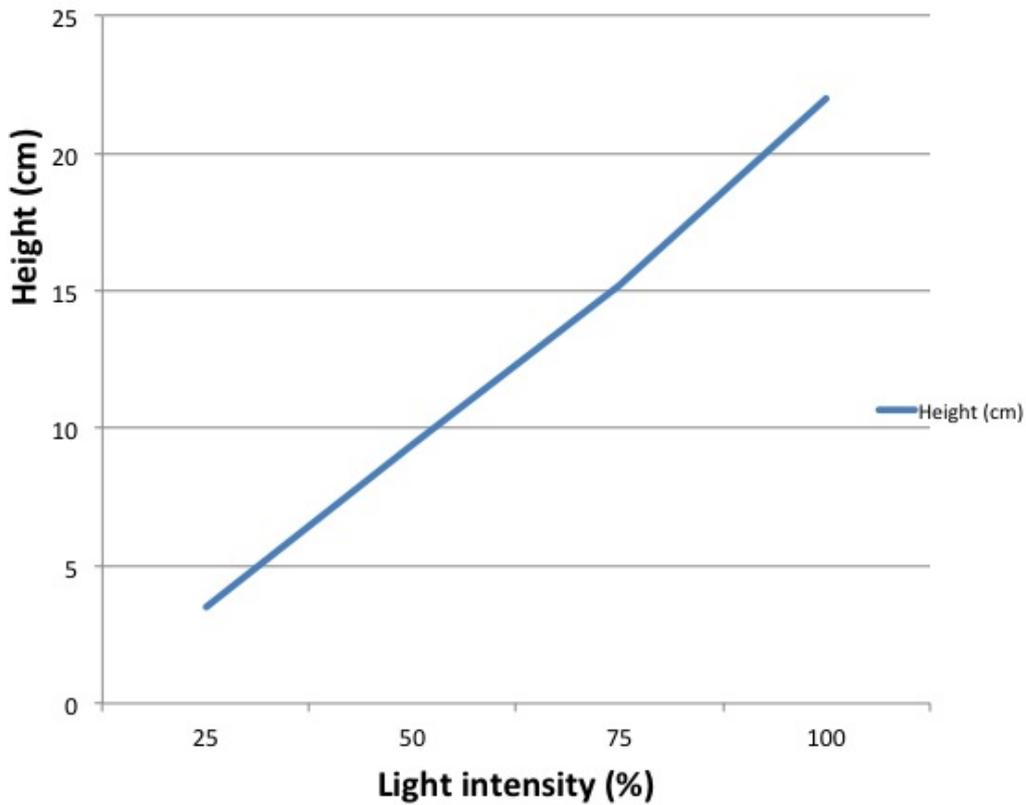
(3 marks)

Q4: Give an example of an abiotic factor affecting the type of fish seen in deep water.

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(1 mark)

Q5: The graph below shows the growth seen in a plant exposed to varying light levels.



i) Describe the results seen in the graph above.

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(2 marks)

i) From the information shown in the graph what can be concluded from the graph?

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(1 mark)

Q6: Give an explanation of a biotic factor.

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(1 mark)

Q7: Give 2 examples of biotic factors.

1. \_\_\_\_\_
2. \_\_\_\_\_

(2 marks)

Q8: A new animal pathogen has been detected in an ancient oak woodland. Explain the possible effects on the communities present in the Oak woodland.

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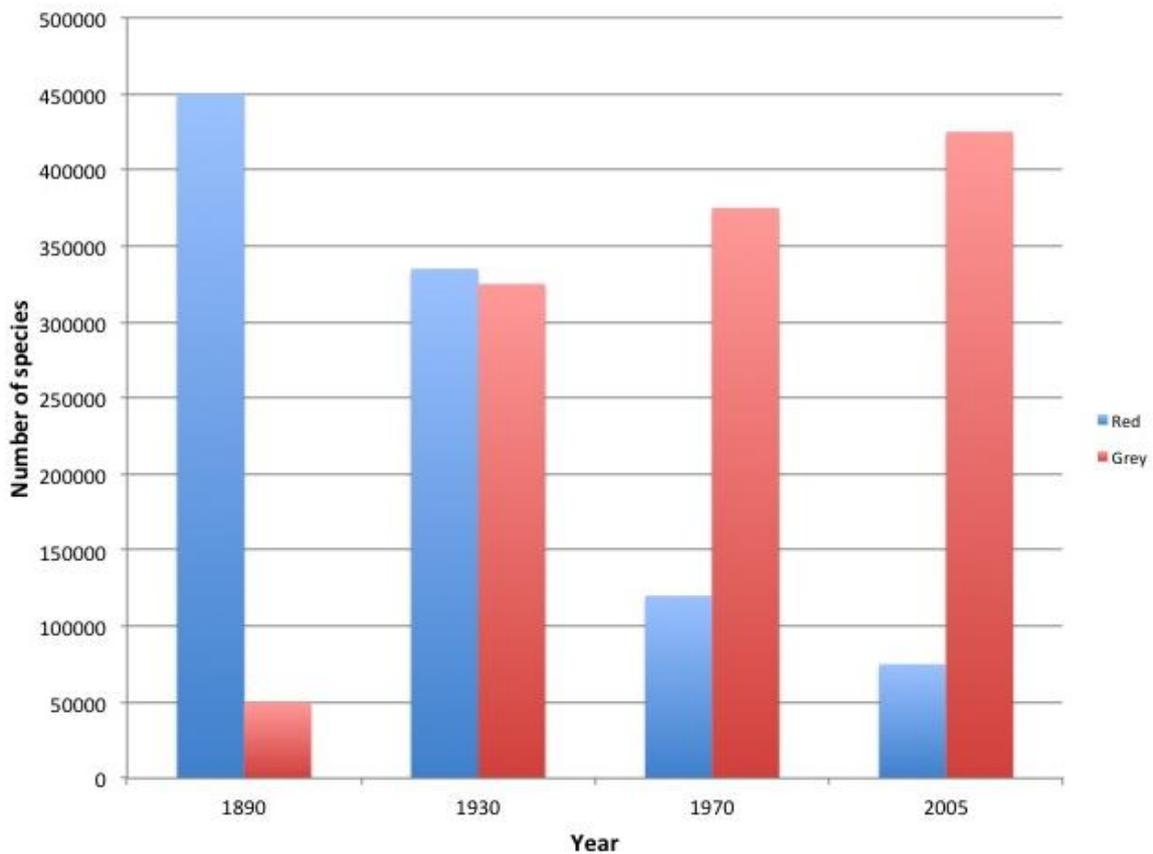
(2 marks)

Q9: Explain the term interspecific competition.

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(1 mark)

Q10: i) Using the graph below explain the interspecific competition between red and grey squirrels.



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(4 marks)

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ii) Due to the increase in grey squirrels, protection schemes for red squirrels have been put in place.

Give an example of how schemes are working to protect red squirrel populations.

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(1 mark)