

**AQA, OCR, Edexcel**

# GCSE Science

## GCSE Biology

### Decomposition Questions

Name:

**M M E**

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Total Marks: /19

Q1: Give 2 organism types involved in the decay process?

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

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

(2 marks)

Q2: Discuss ways of altering the rate of decay.

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(6 marks)

Q3: Compost is a natural fertiliser. What components of decomposition are released back into the environment?

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(1 mark)

Q4: Discuss the differences in rates of compost production between the winter and summer.

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(2 marks)

Q5: Decomposition can occur without oxygen. What types of bacteria are responsible for decomposition in these conditions?

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(1 mark)

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Q6: Give the by-product of composting in anaerobic conditions and give an example of the use of the by-product.

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(2 marks)

Q7: What term is used to describe the utilisation of the anaerobic composting by-product?

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(1 mark)

Q8: What is the ideal temperature for biogas production?

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(1 mark)

Q9: What type of reaction is the process of biogas production?

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(1 mark)

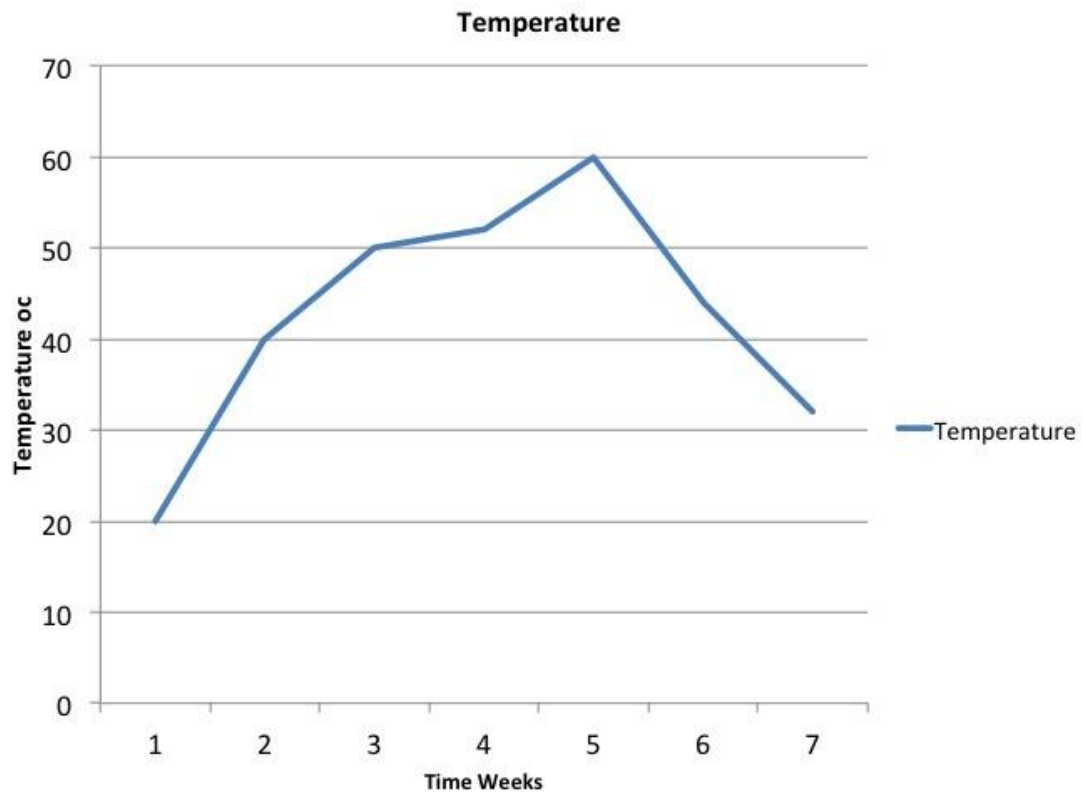
Q10: Biogas is an example of what type of energy?

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(1 mark)

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Q11: Using the graph below state the optimum temperature of a compost heap.



(1 mark)