AQA GCSE Combined Science - Trilogy | 8464

SPECIFICATION POINT 4.7.1.1

Communities

Past-paper questions

Tier	**Foundation**
Question groups	**1**
Available paper years	**2019–2019**

Using this booklet

1. Answer the questions in order and show your working.
2. Original question numbers and marks are retained.
3. Print at actual size (100%) for measuring questions.
4. Use the companion answer booklet to check your work.

Name: _____ **Date:** _____

Whole questions are retained for context, so some parts assess other specification points. Current and legacy sources are labelled. Continue on extra paper if needed.

4.7.1.1 Communities

Question 01

June 2019 | 8464/B/2F | Original Q5

0 5 **Figure 4** shows a food chain in a garden.

Figure 4



bean plant → blackfly → spider → blackbird

0 5 . 1 Which term describes the spider in this food chain?

[1 mark]

Tick (✓) **one** box.

- Primary consumer ☐
- Producer ☐
- Secondary consumer ☐
- Tertiary consumer ☐

0 5 . 2 Many of the spiders in the garden died.

What is likely to happen to the number of blackflies in the garden?

[1 mark]

Tick (✓) **one** box.

- Decrease ☐
- Increase ☐
- Stay the same ☐

0 5 . 3 Give a reason for your answer to Question **05.2**

[1 mark]

4.7.1.1 Communities

Question 01 · continued

Table 2 shows the estimated biomass of organisms in the garden.

Table 2

Organism	Biomass in g
Bean plants	225
Blackflies	115
Spiders	65
Blackbirds	10

0 5 . 4 What conclusion can be made about biomass in food chains?

[1 mark]

4.7.1.1 Communities

Question 01 · continued

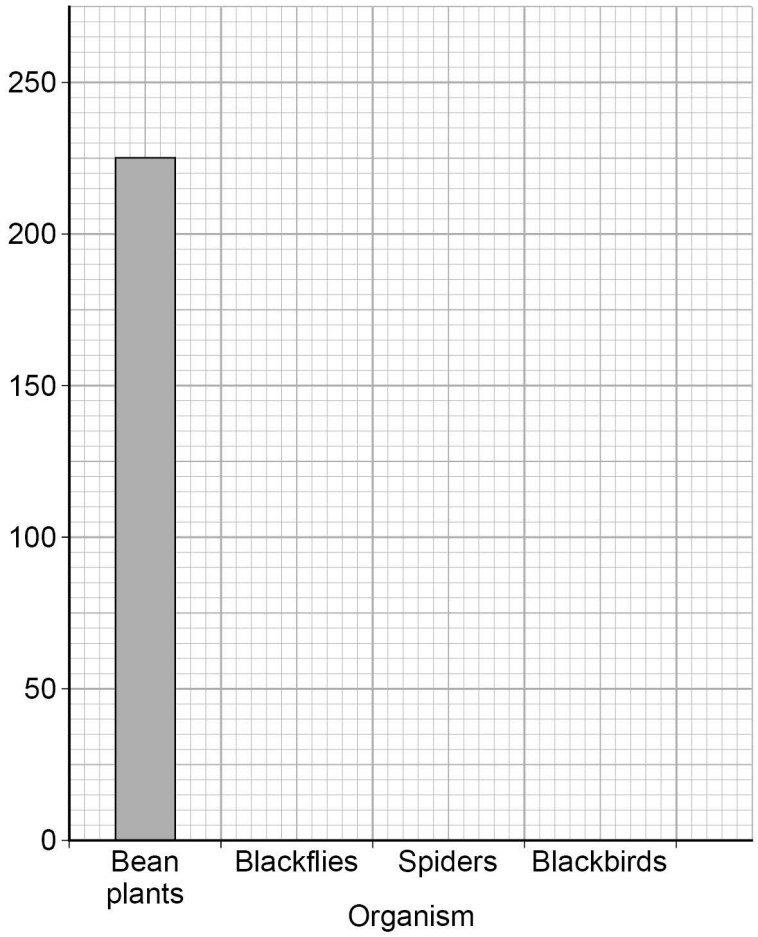
0 5 . 5 Complete **Figure 5**.

You should:

- label the y-axis
- plot the data from **Table 2**.

[3 marks]

Figure 5



0 5 . 6 Explain why a garden is **not** a stable community.

[2 marks]

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