

AQA, OCR, Edexcel

GCSE Science

GCSE Biology

Trophic Levels and Biomass Questions

Name:

M M E

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Total Marks: /23

Q1: What are the different levels of organisms in a food chain known as?

(1 mark)

Q2: Connect up the food chain positions with their trophic levels.

Trophic Level 1

Tertiary Consumers

Trophic Level 2

Producer

Trophic Level 3

Secondary Consumers

Trophic Level 4

Primary Consumers

(4 marks)

Q3: Give a definition of biomass.

(1 mark)

Q4: What is the best method for measuring biomass and why?

(2 marks)

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Q5: How can measuring biomass be useful?

(1 mark)

Q6: Pyramids can be used to show the amount of biomass at each stage of a food chain. Draw and label a pyramid of biomass.

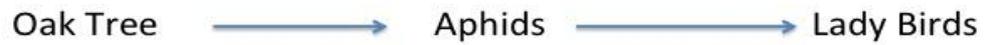
(4 marks)

Q7: Explain how biomass is passed between the trophic levels.

(2 marks)

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Q8: Draw 2 pyramids to show the differences between a pyramid of numbers and a pyramid of biomass using the following organisms.



(6 marks)

Q9: Calculate the percentage of biomass passed on from the producer to the primary consumer. Show your working.

Organisms	Dry Biomass (g)
Grass	100000
Cow	5000
Tick	30

(2 marks)