

**AQA, OCR, Edexcel**

**GCSE Science**

# **GCSE Biology**

## Farming Techniques Questions

Name:

**M M E**

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Total Marks: /25

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Q1: In terms of biomass what sort of diet is more efficient?

A= Vegetarian / Plant based

(1 mark)

Q2: How can farmers best utilise steep landscapes? For example; the Yorkshire dales.

A= Animal Farming

(1 mark)

Q3: Discuss the ways farmers can manage their livestock to increase biomass.

A= Accept any 2 of the following:

- Limit movement
- Increase number of livestock per m<sup>2</sup>
- Control temperature – Reduce biomass use in respiration

(2 marks)

Q4: Give an example of intensive farming.

A= Accept 1 of the following:

- Chicken
- Fish

(1 mark)

Q5: Battery farming is an ethical dilemma. Discuss the negative impact of battery farming of chickens for meat and eggs.

A= 1 mark for continuous prose and 5 marks for any 5 of the following:

- Increase in disease
- Unnatural life
- Psychological Stress
- Physiological Stress
- Natural behaviour not present
- Poor quality of product
- Excessive yield – e.g. over weight chickens

(5 marks)

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Q6: How as consumers can we reduce the need for intensive farming though our diet?

A= Eat a more vegetarian diet / Vegan Diet

(1 mark)

Q7: How can a protein rich diet increase a farmer's yield in his livestock?

A= Increase Growth

(1 mark)

Q8: i) Using the graph below, state which chicken has been reared by natural growth as apposed to intensive farming.

A= Chicken B

(1 mark)

ii) What differences in size does the graph show?

A= 1 mark for each point:

- Chicken A – Ready for slaughter earlier
- Chicken A – Larger size

(2 marks)

Q9: Recent years have shown an increase in fish farming. Explain why.

A= 1 mark for each of the following points

- Increase in demand
- Decrease in wild fish due to over fishing

(2 marks)

Q10: How does fish farming help wild stocks to recover?

A= Accept any 2 of the following:

- Cheaper
- Quicker growth
- Bigger fish

(2 marks)

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Q11: Discuss the differences between developing and developed countries farming methods.

A= 3 marks awarded for any 3 points for developing countries. 3 marks awarded for any 3 points for developed countries.

Developing Countries:

- Smaller Scale
- Plant based
- Low intensity
- Slower growth
- More prone to failure
- Smaller Yield

Developed Countries:

- Large Scale
- Animal based
- Intensive
- Quicker Growth

Larger Yield

(6 marks)