

AQA, OCR, Edexcel

GCSE Science

GCSE Biology

Plant Hormones and Response Questions

Name:

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Total Marks: /22

Q1: Why do plants require hormones?

(1 mark)

Q2: Explain how a seedling responds to its environment to allow the roots to grow down and shoots to grow up.

(2 marks)

Q3: What is phototropism?

(1 mark)

Q4: What hormone controls a plants response to gravity and light?

(1 mark)

Q5: Design an experiment to show the uneven distribution seen in the hormone Auxin.

(5 marks)

Q6: Explain why the ability to change the direction of roots and shoots is essential to seedling survival.

(2 marks)

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Q7: What is gravitropism?

(1 mark)

Q8: Explain where the hormone Auxin would gather to turn a horizontal root downwards.

(1 mark)

Q9: How do gardeners cause a cutting to produce roots?

(1 mark)

Q10: How does Auxin work as a weed killer?

(1 mark)

Q11: What are gibberellins used for?

(1 mark)

Q12: Discuss the ways people have found to use gibberellins.

(1 mark)

Q13: How do fruit farmers use ethane?

(1 mark)

Q14: Why is ethane an unusual hormone?

(1 mark)