

AQA, OCR, Edexcel

GCSE Science

GCSE Biology

Detecting Plant Diseases Questions

Name:

M M E

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Total Marks: /20

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Q1: Give an example of a plant pest acting as a vector for disease.

(1 mark)

Q2: How is an aphid attack damaging to a plant?

(3 marks)

Q3: Give an example of a non-communicable plant disease type.

(1 mark)

Q4: Explain the effect a nitrate deficiency will have on a plant.

(1 mark)

Q5: A plant shows yellowing leaves. Explain why and how the yellowing has occurred.

(3 marks)

Q6: Connect the following symptoms of disease to the correct cause.

Stunted Growth

Crown Galls – Bacterial Infection

Spots on leaves

Nitrate Deficiency

Growths

Aphid Infestation

Malformed stems

Tobacco Mosaic Virus

Mosaic Patterns

Black Spot Fungus

(5 marks)

Q7: Give 2 ways a plant disease can be treated.

(2 marks)

Q8: How can DNA analysis help save a farmers diseased crop?

(2 marks)

Q9: How can plant cells communicate with each other to inform of diseases.

(1 mark)

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Q10: Why is it important for gardeners to remove diseased plants if they cannot be treated?

(1 mark)