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Crop plants produce food for humans. Crop plants are often eaten by insects. Farmers can spray chemicals on the crop plants that kills insects that eat them.

Another way to protect the plants is to introduce a gene into the crop plant. The gene, which is found in bacteria, produces a poison that kills the insects.

The plant is called a genetically modified (GM) plant.

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1

Explain how a plant is made resistant to the insects by genetic modification.

[4 marks]

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2

Some people have concerns about introducing genes into crop plants.

Give two reasons why people may have concerns about introducing new genes into crop plants.

[2 marks]

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3

Other than the plant being resistant to insects, give one other advantage of producing a GM crop.

[1 mark]
