0 1	Crop plants produce food for humans. Crop plants are often eaten by in Farmers can spray chemicals on the crop plants that kills insects that e them.		
0 1 . 1	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.		
	Explain how a plant is made resistant to the insects by genetic modification		
	Cut gene or DNA for producing the poison from bacteria [1]	[4 marks]	
	using an enzyme. [1]		
	Transfer gene or DNA to plant or plant cells [1]		
	at early stage of development or when the the plant is a few cells [1]		
	Some people have concerns about introducing genes into crop plants.		
0 1 . 2	Give two reasons why people may have concerns about introducing new into crop plants.	v genes [2 marks]	
	Any two from: Concern about effects on human (health) [1]		
	Concern about food chain effects or effects on ecosystem [1]		
	Effect on gene pool [1]		
	Long term effects not known [1]		
0 1 . 3	Other than the plant being resistant to insects, give one other advantage producing a GM crop.	e of [1 mark]	
	higher yield / longer shelf life of fruit or vegetables / resistance to pesticides or weed killers / resistance to disease / better tasting / faster ripening [1]		