

0	1
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Below are some results from an experiment that compared the mean growth rate in 100 plants that were healthy and 100 plants of the same species that were infected with the tobacco mosaic virus (TMV)

	Mean height after 6 weeks (cm)
Healthy plants	87
Plants with TMV	42

0	1
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1

Describe and explain the effect of the tobacco mosaic virus on these plants

[2 marks]

0	1
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2

Another disease that plants can suffer from is rose black spot

What microorganism causes rose black spot?

[1 mark]

0	1
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3

How could a gardener identify a plant that was infected with this disease?

[2 marks]

0	1
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4

What should the gardener do if they confirmed their plants had this this infection?

[3 marks]

0	1
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5

HIV and measles are both diseases that humans can contract. Compare the similarities and differences between both diseases

Include what causes each disease

How they are spread

How they can be prevented

[5 marks]
