



Viral Disease

1 Fill in the missing words

Reproduce / Ill / Kill / New / Animal / Copies / Bacteria / Burst / Organisms / Damages / Cells

Viruses are difficult to understand. They are not, and they not living, but we normally still consider them to be They're about 10,000 times smaller than cells, and they can't by themselves. However, once they get inside another organism's cell, they can use that cell's own machinery to make multiple of themselves. At some point, they can the cell, and all of the new viruses will spread out to find cells to take over. This process our bodies and can make us feel

[9 marks]

2 Measles is very serious disease that can be fatal. Luckily most people in the UK are vaccinated against it.

a) How is the measles virus spread?

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[1 mark]

b) What symptoms does measles give?

.....

[1 mark]

3 HIV is virus that cause the disease known as AIDS

a) Give two ways in which HIV (human immunodeficiency virus) can be spread?

1)

2)

[2 marks]

b) When somebody first catches HIV they may experience a fever, tiredness and headache. However they will soon start to feel better. At some point in the future though they may develop AIDS (acquired immune deficiency syndrome). What is AIDS and how can it lead to death?

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[3 marks]

c) Luckily we can now treat HIV to prevent AIDS from developing, or treat AIDS itself. What are these medications called and how do they work?

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.....
.....

[2 marks]

4 Tobacco mosaic virus (TMV) affects plants

a) Name two species of plants it affects

1)
2)

[2 marks]

b) Discuss how TMV affects plants

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.....
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[4 marks]

[Total 24 marks]