

GCSE Biology A (Gateway)

J247/02 B4-B6 and B7 Foundation (Foundation Tier)

Question Set 22

1 Animals and plants can get different types of diseases

(a) Look at the list of four diseases.

AIDS

Type 2 diabetes

Crown gall disease

Barley powdery mildew

Write each disease in the correct column of this table.

Communicable disease			Non-communicable disease
Caused by a bacterium	Caused by a fungus	Caused by a virus	
crown gall disease	barley powder mildew	AIDS	type 2 diabetes

[3]

(b) Sinusitis is an infection that can be caused by bacteria or viruses.

Sinusitis causes a runny nose and bad headaches.

(i) Doctors only give antibiotics to patients with these symptoms if they are sure their illness is caused by bacteria.

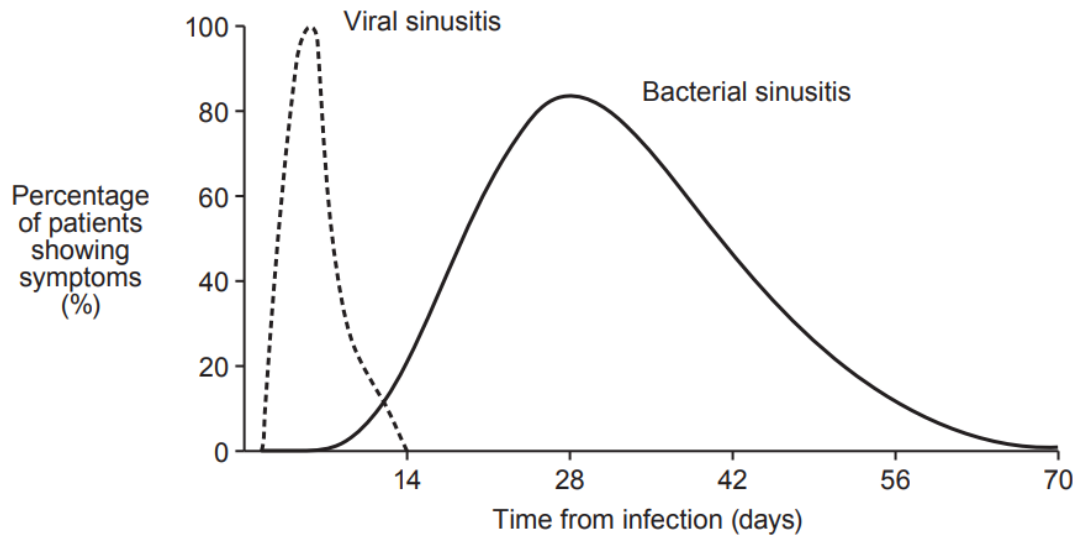
Write down **two** reasons why.

¹ antibiotics do not work on viruses.....

² Stop the spread of antibiotic resistance.....

[2]

- (ii) Look at the graph. It shows the length of time that patients show symptoms of sinusitis



Doctors usually wait 14 days after infection before giving patients antibiotics for sinusitis.

Use the graph to explain why.

[2]

after 14 days, 0% of patients show virus symptoms
so any symptoms are
from a bacterial infection and antibiotics can
be prescribed.

Total Marks for Question Set 22: 7

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