

4

(a)

[2]

(b)

Suggest **one** way in which this contributes to solving the problem of antibiotic resistance in bacteria.

[1]

(c)

If a person does **not** finish the prescribed course of streptomycin, bacteria are more likely to become resistant to the antibiotic.

Explain why a streptomycin-resistant strain of bacteria is more likely to develop as a result of natural selection when a person does **not** complete the prescribed course of antibiotics.

[3]

[Total: 6]

Question 5 starts on page 12.