

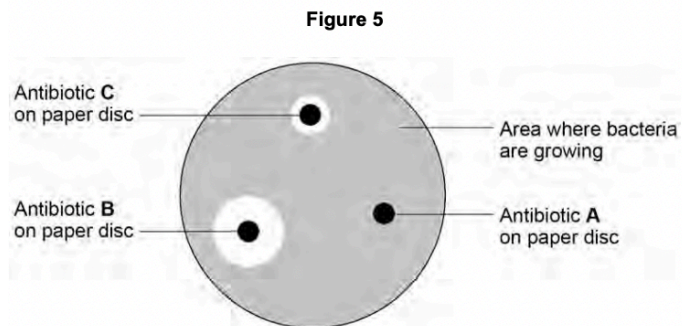
(Antibiotic resistance)

Q1.a)(2024)

The scientist grew one type of bacterium on agar in a Petri dish.

The scientist placed paper discs each containing a different antibiotic on the agar.

Figure 5 shows the appearance of the Petri dish after 2 days.



A student said:

'The bacterium is resistant to antibiotic C.'

Explain how the results in **Figure 5** show that the student is **not** correct.

[2 marks]

Q1.b)(2024)

Suggest why doctors are concerned about antibiotic resistance.

[2 marks]
