**1.** Why has antibiotic resistance evolved in bacteria?

A. All bacteria reproduce very quickly.

B. Bacteria exposed to antibiotics developed a resistance to them.

C. Varieties of bacteria resistant to antibiotics reproduce faster than non-resistant varieties.

D. Bacteria showing resistance to antibiotics survive after antibiotics are used.

(Total 1 mark)

**2.**

 Explain how natural selection can lead to evolution using antibiotic resistance in bacteria as an example.

(9)

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