

(ii) How many of the following statements about a **cellulose** molecule are correct?

- contains  $\alpha$ -glucose and  $\beta$ -glucose molecules
- contains 1,4 glycosidic bonds
- forms hydrogen bonds with other cellulose molecules

(1)

**A** none

**B** one

**C** two

**D** three

(b) Bioplastic bags made from sugarcane take up to six months to decompose.

Bacteria secrete enzymes onto the bags during the process of decomposition.

(i) Name **two** structures found in bacterial cells that are involved in the synthesis of these enzymes.

(1)

1 .....

2 .....