

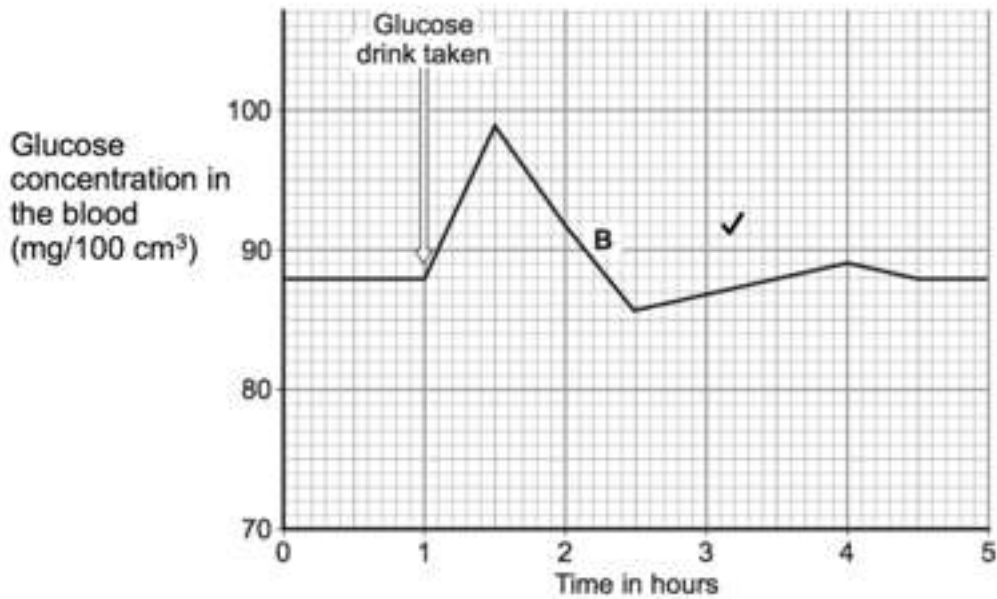
0	1
---	---

Levels of glucose in the blood (blood sugar) are controlled by the body. In healthy individuals, the levels are controlled by automatic processes, involving chemicals produced in glands.

0	1	.	1
---	---	---	---

Name one function of glucose in the body **[1 mark]**

The graph below shows the levels of blood glucose for a healthy person before and after taking a glucose drink.

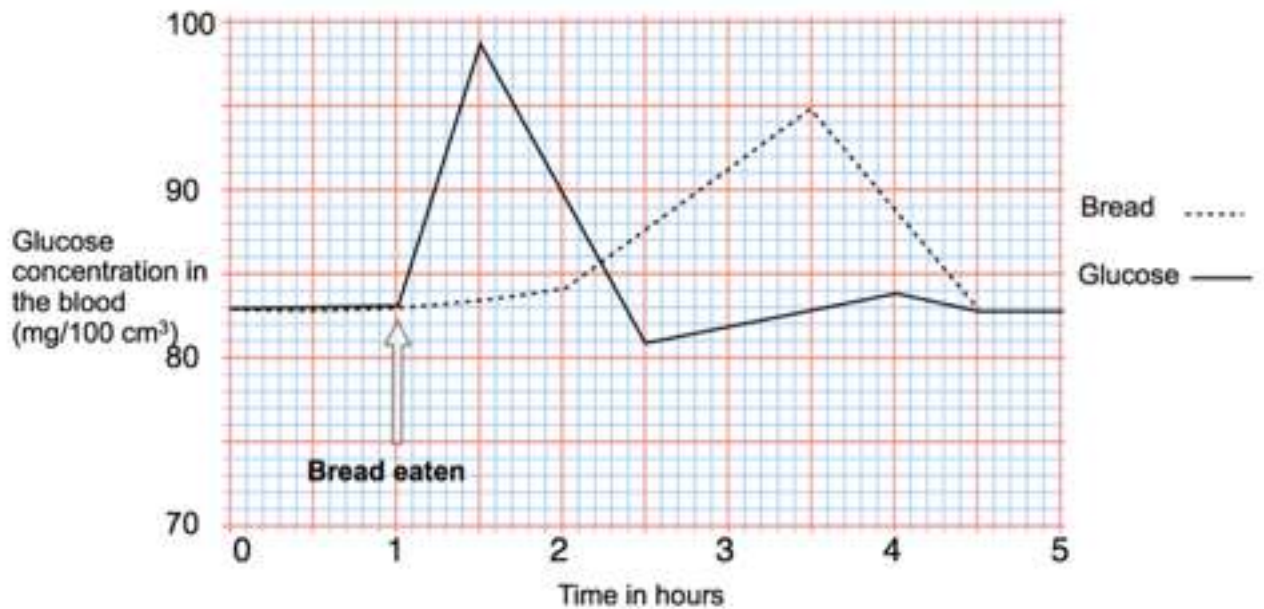


0	1	.	2
---	---	---	---

Explain the changes in glucose concentration in the blood over the time period shown.

[3 marks]

In a similar experiment, the same person was given some bread to eat instead of a sugar drink. Another graph was drawn to show the changes in the blood glucose when the bread was eaten compared to when the sugar drink was taken



0 1 . 3

Explain, as fully as you can, the reasons for the differences in blood glucose concentration over time when the person ate the bread. **[3 marks]**
