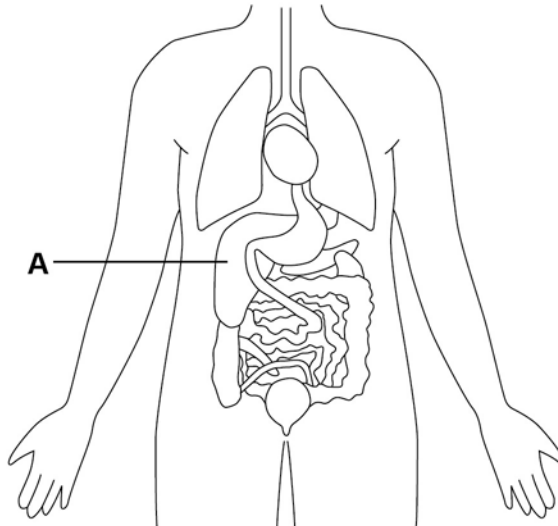


0	4
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Humans control their internal environment in many ways.

Look at **Figure 5**.

Figure 5



0	4	.	1
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Name organ **A**.

[1 mark]

0	4	.	2
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Organ **A** stores glucose.

People with Type 1 diabetes cannot effectively control the levels of glucose in their blood.

Name the **hormone** people with **Type 1 diabetes** have to inject to decrease their blood glucose level.

[1 mark]

0 4 . **3** Which organ produces urine?

[1 mark]

Tick **one** box.

Brain

Lungs

Kidney

Thyroid

0 4 . **4** Marathon runners often drink sports drinks during a race.

Explain why.

[2 marks]

Turn over for the next question

Question 4

Question	Answers	Extra information	Mark	AO / Spec. Ref.
04.1	liver		1	AO1/1 4.5.3.2
04.2	insulin	do not accept glucagon	1	AO1/1 4.5.3.2
04.3	kidney		1	AO1/1 4.5.3.3
04.4	to replace water / ions / salt (that is) lost in sweat		1 1	AO2/1 4.5.3.3 AO2/1 4.5.3.3
Total			5	