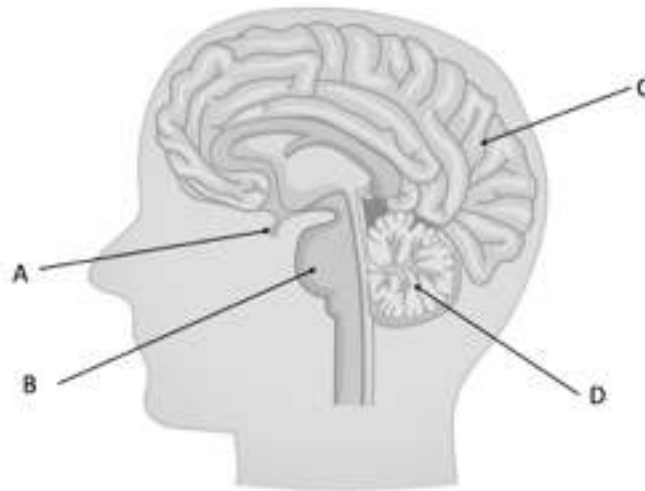


0	1
---	---

Below is a diagram of the human brain



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

Label structures A-D

A Pituitary gland [1]

B Medulla/medulla oblongata[1]

C Cerebrum/cerebral cortex [1]

D Cerebellum [1]

[4 marks]

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

Explain why an injury to structure B can be fatal

[2 marks]

controls heart rate/breathing [1]

which are necessary for survival [1]

0	1	.	3
---	---	---	---

Which region of the brain, A, B, C, or D is a gland involved in homeostasis?

[1 mark]

A [1]

0	1	.	4
---	---	---	---

The most recent MRI scanners can show the regions of the brain that are stimulated during activity. If a person in an MRI scanner is asked to solve a mathematical task, which part of the brain, A, B, C or D will show activity?

[1 mark]

C [1]