

1 Which structure carries nerve impulses away from the central nervous system?

- A optic nerve
- B motor nerve
- C sensory nerve
- D spinal cord

[1]

[Total: 1]

2 Complete the sentence about the nervous system.

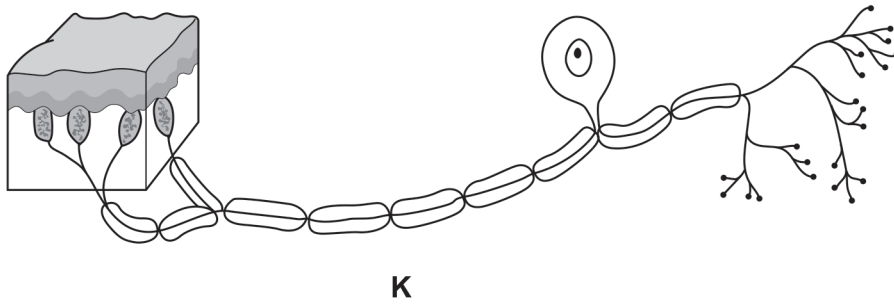
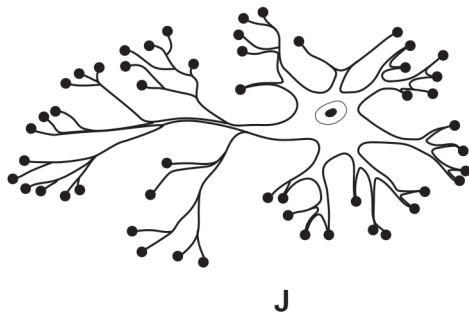
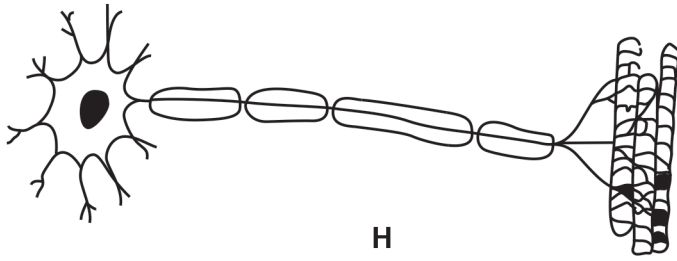
The brain and spinal cord form the nervous system and the nerves coming into and out of the spinal cord are part of the nervous system.

[1]

[Total: 1]

3 The diagram shows three different types of neurone.

These cells are used in some reflex actions.



not to scale

Describe **one** feature of a reflex action.

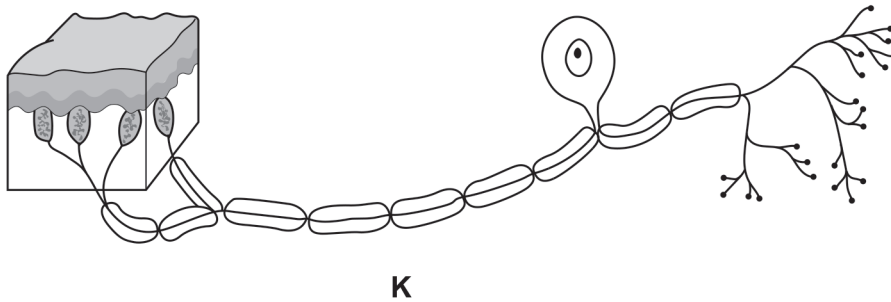
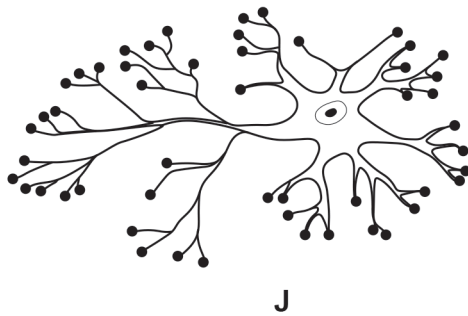
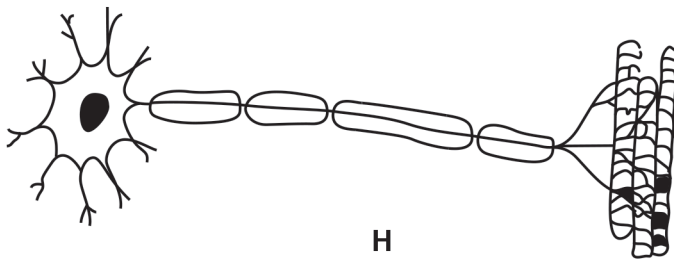
.....
.....
.....

[1]

[Total: 1]

4 The diagram shows three different types of neurone.

These cells are used in some reflex actions.



not to scale

State the names of cells **H** and **K** in the diagram.

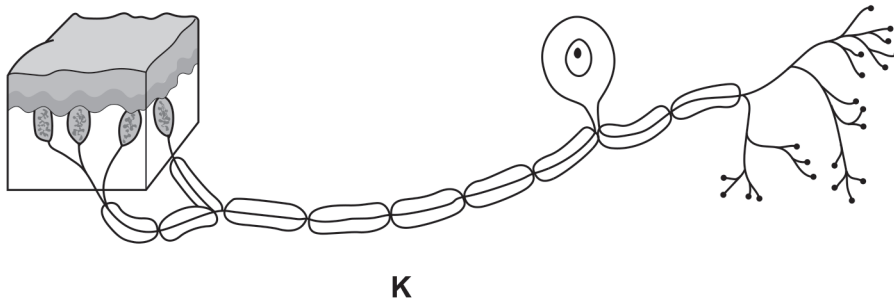
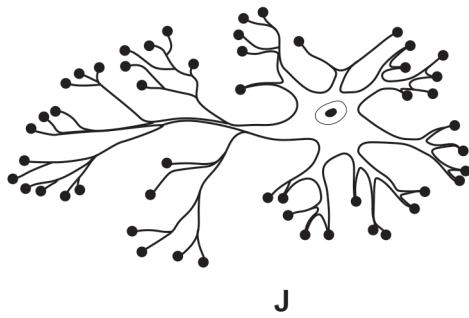
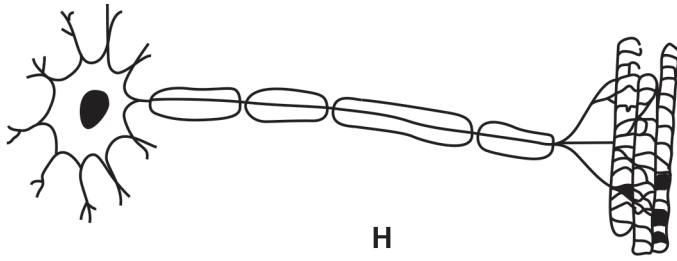
H

K [2]

[Total: 2]

5 The diagram shows three different types of neurone.

These cells are used in some reflex actions.



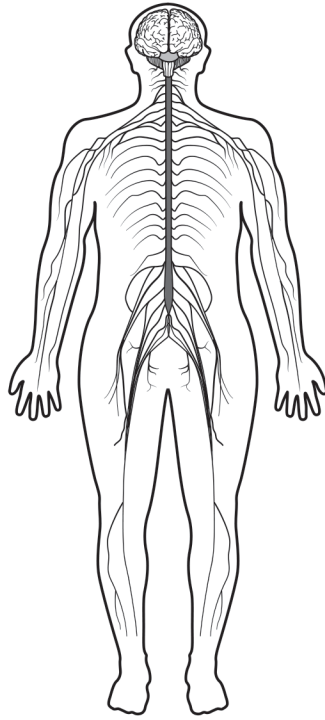
not to scale

State **one** example of a reflex action.

..... [1]

[Total: 1]

6 The diagram shows part of the human nervous system.



Describe the main function of the nervous system.

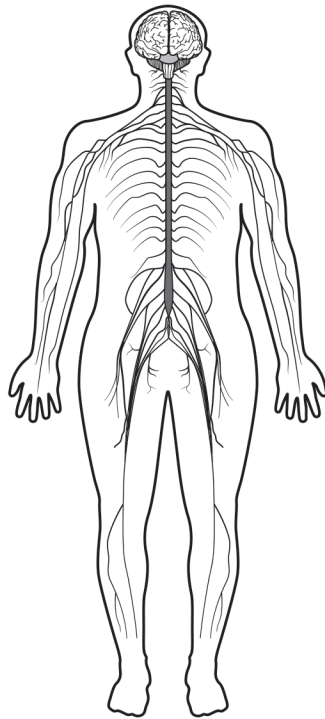
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.....

..... [1]

[Total: 1]

7 The diagram shows part of the human nervous system.



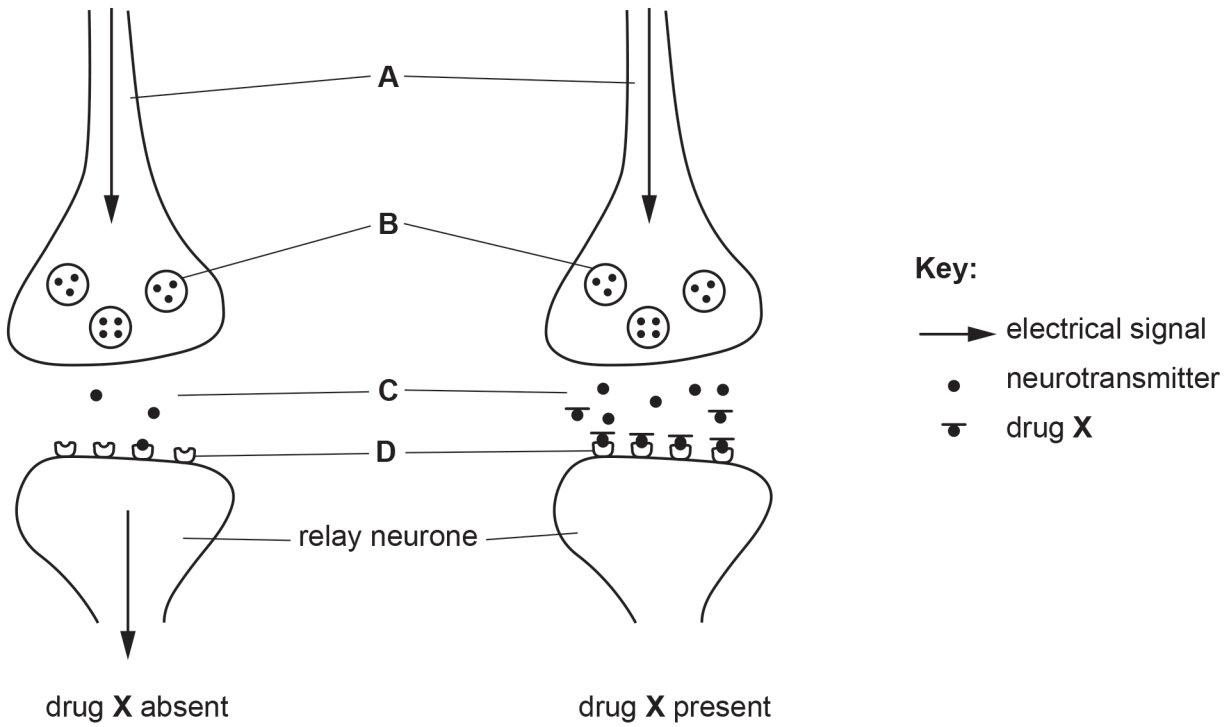
State the **two** parts of the central nervous system.

1

2 [2]

[Total: 2]

8 The diagram shows the junction between two neurones with drug X absent and two neurones with drug X present, immediately after a painful stimulus.



Describe **and** explain how drug X affects the function of the relay neurone shown in the diagram.

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.....

.....

..... [3]

[Total: 3]

9 The table contains three descriptions of nervous system terms.

Complete the table by stating the name of the terms described.

description of term	name of the term
neurone that is connected to a muscle	
electrical signal that passes along a neurone	
junction between two neurones	

[3]

[Total: 3]