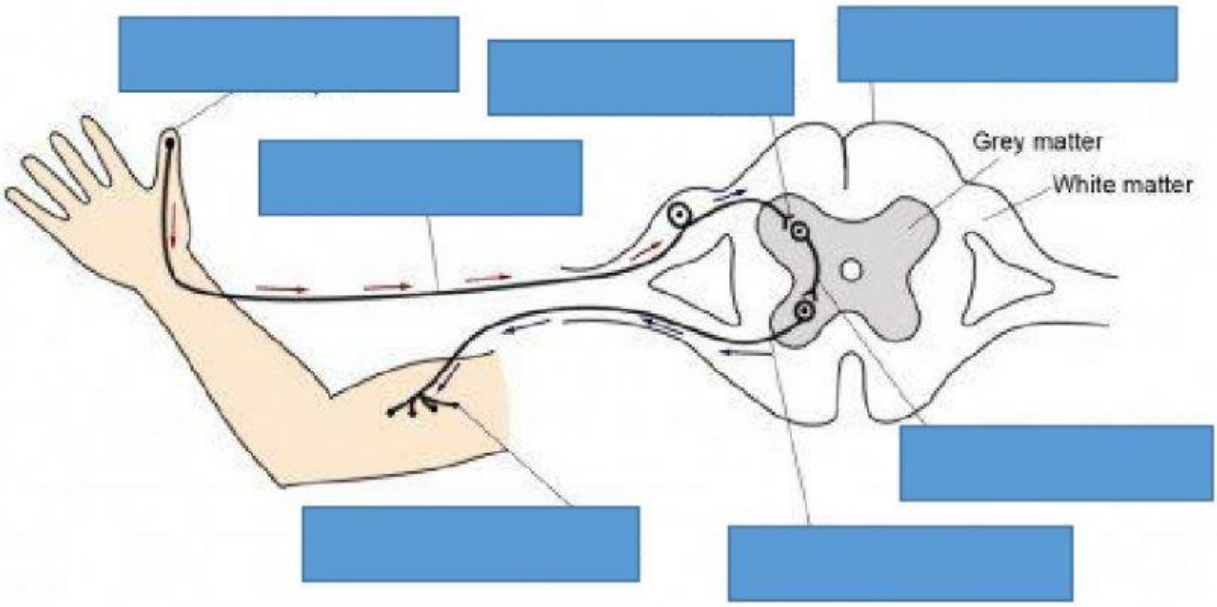
NEURONE AND REFLEX ACTION

Pathway of nerve impulses - Choose the correct answer



--> nerve impulses

MULTIPLE CHOICE QUESTIONS

1. What describes a reflex action?

A It is a rapid response to a stimulus, involving the spinal cord.

B It is a rapid response detected by motor neurones.

C It is a slow response to a stimulus, involving the spinal cord.

D It is a slow response detected by motor neurones.

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2. In temperature control of the body, which types of neurones carry information from skin receptors to the brain, and from the brain to sweat glands?

	from skin receptors to the brain	from the brain to sweat glands
A	motor	sensory
B	relay	motor
C	sensory	motor
D	sensory	relay

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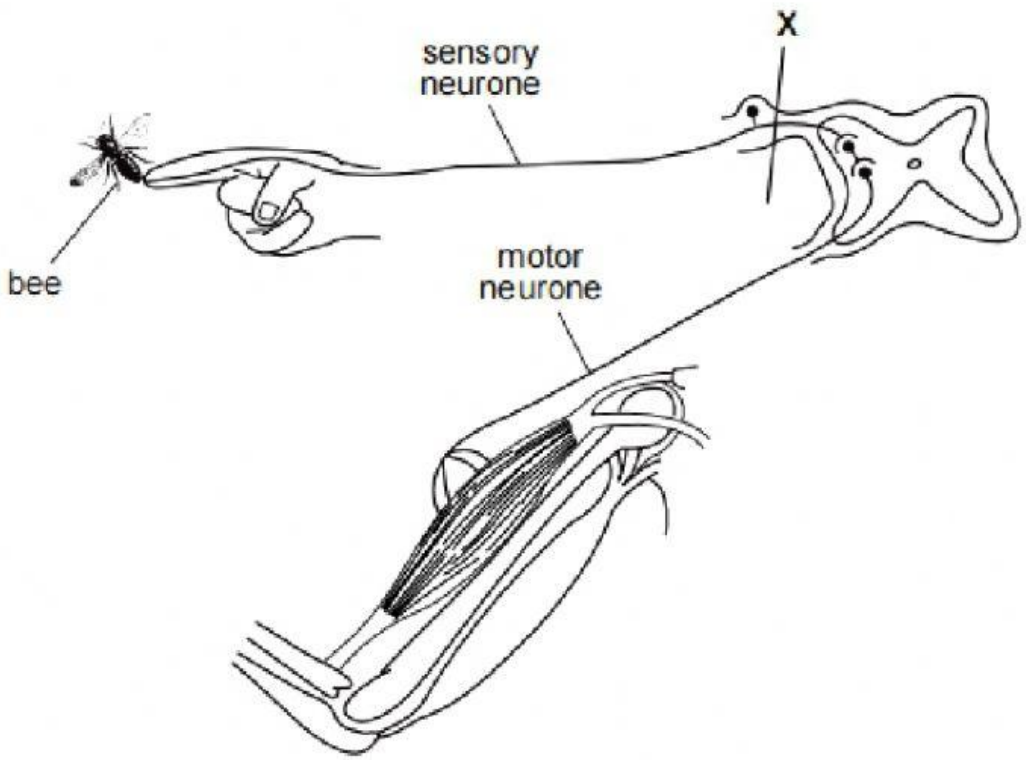
3. The diagram shows part of a person's nervous system that has been cut at X.



A bee stings the finger, as shown.

What are the effects of this sting on the person?

	pain felt	arm moved
A	no	no
B	no	yes
C	yes	no
D	yes	yes

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4. In a reflex action, after the hand touches a hot object, what is the role of the brain?

	receives information	initiates the withdrawal response
A	✓	✓
B	✓	✗
C	✗	✓
D	✗	✗

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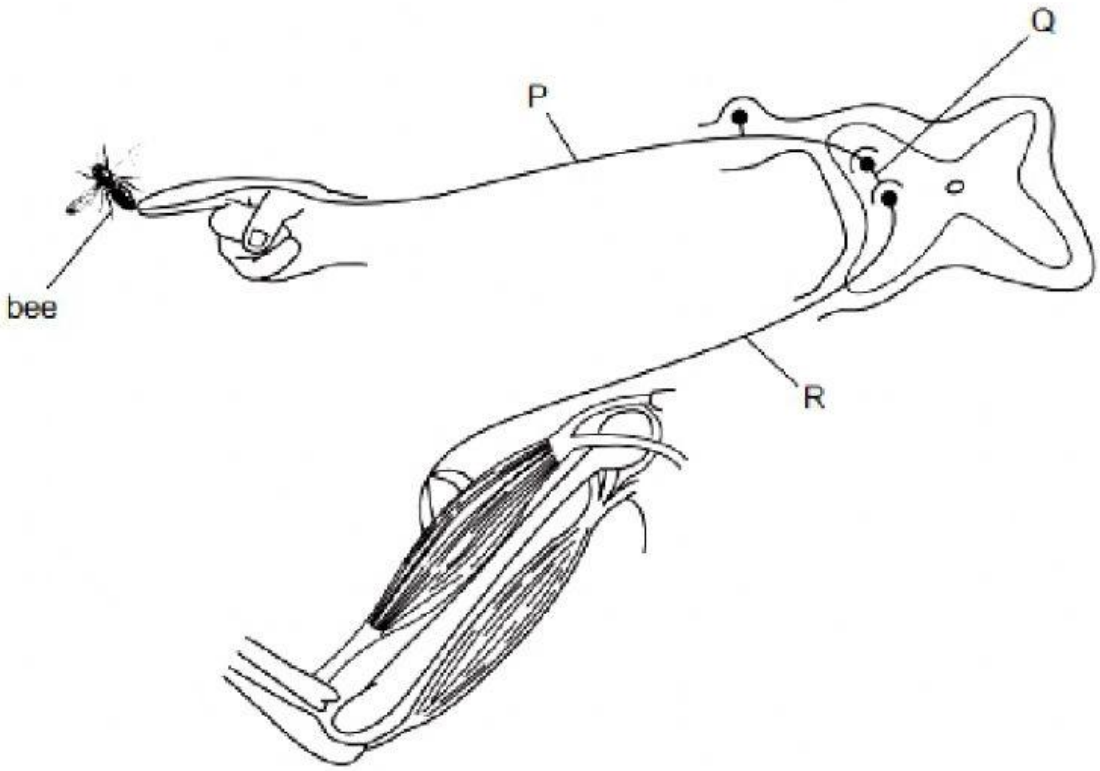
5. The diagram shows a reflex arc in which a bee sting causes the arm to be moved quickly.



If the relay neurone at Q is damaged, how will the transmission of nerve impulses in the reflex arc be affected?

A They cannot pass from P to Q.

B They cannot pass from P to R.

C They cannot pass from Q to P.

D They cannot pass from R to Q.

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---------- CLICK FINISH ----------

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