

Nervous System – Questions by Topic (MCQ)

Q1.

Which **two** of the following statements about the divisions of the nervous system are correct?

Shade **two** boxes only.

In the human nervous system...

- A the fight or flight response occurs when the parasympathetic division controls functioning.
- B the central nervous system consists of the brain and spinal cord.
- C sensory, relay and motor neurons are all controlled by the somatic nervous system.
- D sensory neurons carry messages from the central nervous system.
- E the somatic nervous system controls voluntary movements.

(Total 2 marks)

Q2.

Complete the following sentence. Shade **one** box only.

Sensory neurons carry information

- A away from the brain.
- B both to and from the brain.
- C towards the brain.
- D within the brain.

(Total 1 mark)

Q3.

Complete the following sentence. Shade **one** box only.

The somatic nervous system

- A comprises of two sub-systems.
- B connects the central nervous system and the senses.
- C consists of the brain and spinal cord.
- D controls involuntary responses.

(Total 1 mark)

Q4.

Which **one** of the following responses results from the action of the sympathetic division of the autonomic nervous system? Shade **one** box only.

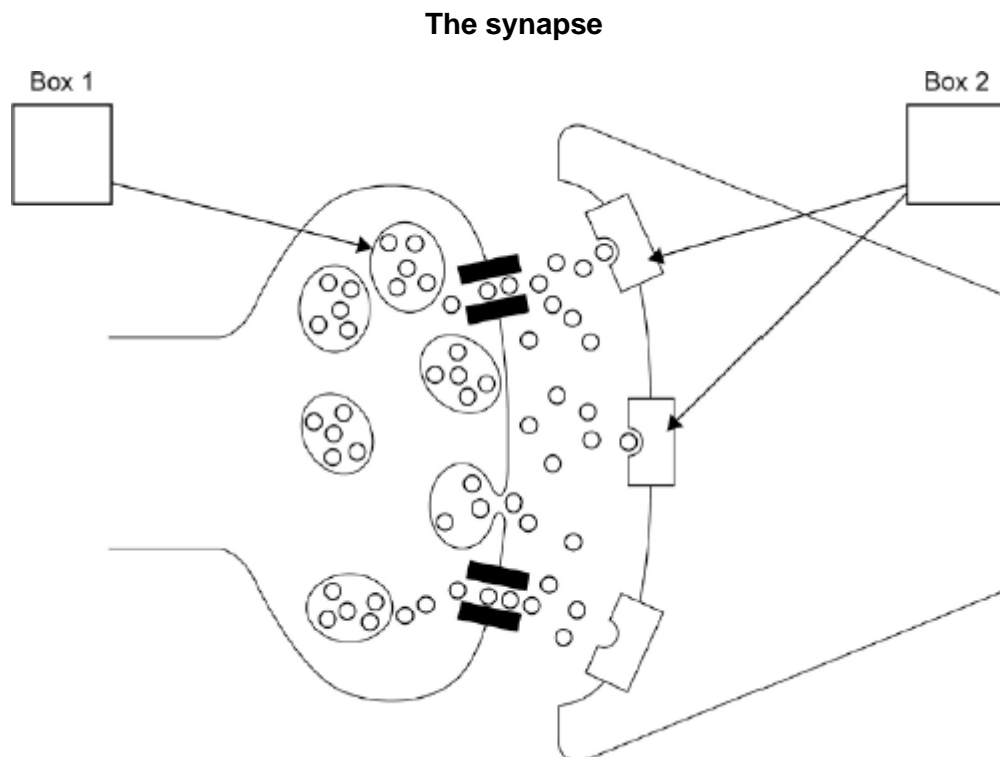
- A Decreased pupil size
- B Increased digestion
- C Increased heart rate
- D Increased salivation

(Total 1 mark)

Q5.

Label the **two** areas of the synapse in the diagram below by putting the appropriate letter in each box.

- A Axon
- B Dendrites
- C Neurotransmitters
- D Receptor sites
- E Vesicle



(Total 2 marks)

Q6.

Read the following statements and decide whether they are **TRUE** or **FALSE**.

- (a) Motor (efferent) neurons carry messages to the central nervous system.
(Tick the correct box)

TRUE	FALSE

(1)

- (b) The nucleus of a neuron is found outside the cell body (soma).
(Tick the correct box)

TRUE	FALSE

(1)

(Total 2 marks)