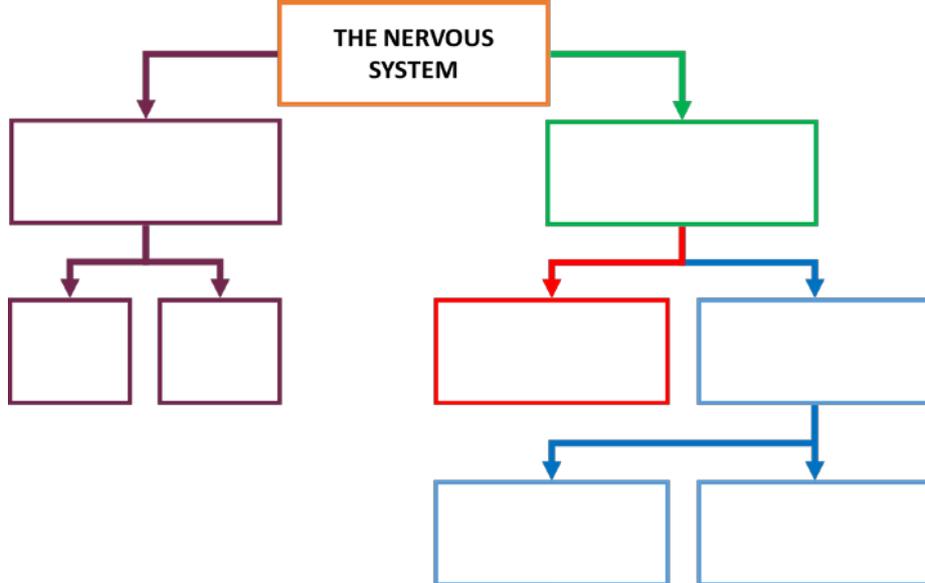


**Title: Biopsychology**

*Specification: The divisions of the nervous system: central and peripheral (somatic and autonomic).*

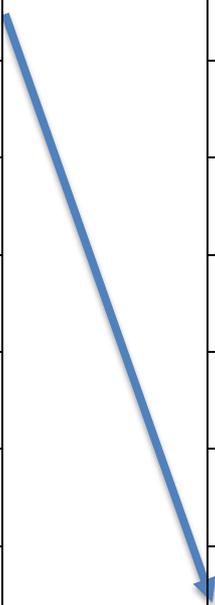
|    |  |  |
|----|--|--|
| Q1 | <b>MCQ: Which of the following responses is caused by an activation of the parasympathetic branch of the autonomic nervous system?</b> |  |
| A  | Increased heart rate   |  |
| B  | Pupil dilation   |  |
| C  | Increased salivation   |  |
| D  | Increased blood pressure   |  |

|  |                             |
|--|-----------------------------|
| Q2   | <b>Complete the diagram</b> |
| Complete the diagram of the nervous system, using the key terms listed below.  |                             |
|   |                             |
| Key terms: <b>Sympathetic Nervous System, Brain, Somatic Nervous System, Spinal Cord, Peripheral Nervous System (PSN), Central Nervous System (CNS), Autonomic Nervous System, Parasympathetic Nervous System.</b> |                             |

|  |  |  |
|--|--|--|
| Q3   | <b>Sympathetic or parasympathetic?</b> |  |
| Decide whether each of the responses listed below is caused by an activation of the sympathetic nervous system or parasympathetic nervous system and complete the table below.   |  |  |
| Responses: <b>Contracts (stimulates bladder); Dilates pupils; Stimulates saliva production; Increases heartbeat; Stimulates digestion; Decreases saliva production; Slows heartbeat; Inhibits digestion; Constricts pupils; Inhibits bladder contraction</b> |  |  |
| <b>SYMPATHETIC NERVOUS SYSTEM</b>  | <b>PARASYMPATHETIC NERVOUS SYSTEM</b>  |  |
|  |  |  |

**Q4 Match them up**

Match up the components of the nervous system on the left, with the correct description on the right. The first one has been done for you.

| COMPONENT                      |  | DESCRIPTION  |
|--------------------------------|--|--|
| Central nervous system         |  | Provides conscious awareness; involved in all psychological processes. |
| Spain cord                     |  | Relays messages from the CNS to the rest of the body.                  |
| Brain                          |  | Play an important role in homeostasis.                                 |
| Peripheral nervous system      |  | Returns the body to is normal restating state.                         |
| Somatic nervous system         |  | Transfers messages to and from the brain and the rest of the body.     |
| Autonomic                      |  | Prepares the body for fight or flight.                                 |
| Sympathetic nervous system     |  | Consists of the brain and spinal cord.                                 |
| Parasympathetic nervous system |  | Maintains communication between the CNS and outside word.              |

**Q5 Apply your knowledge**

Below is an answer to the following exam-style question: ***Explain two differences in the organisation and/or function of the somatic nervous system and autonomic nervous system. (4 marks).***

*One difference between the somatic and autonomic nervous system is that one of the systems has two sub-components.\* Another difference is that one system has sensory and motor pathways whereas the other one does not.\**

This answer is likely to achieve 1/2 marks, because it has not elaborated either point. Rewrite the answer below, expanding on each sentence where there is an asterisk \*.