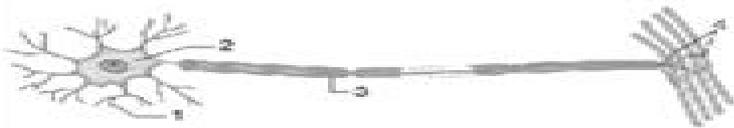




YEAR 9 SCIENCE 2021
Control & Regulation Topic Test

Name: _____ Score: _____ / 50 Grade: _____

Section A: Multiple Choice Questions (circle the most correct response) 20 marks

<p>1. The structures that detect changes and receive stimuli are called:</p> <p>A. effectors B. receptors C. control centres D. organs</p>	<p>6. The part of the nervous system that is responsible for body processes such as heart rate and breathing is the:</p> <p>A. autonomic nervous system B. central nervous system C. somatic nervous system D. neurotransmitter system</p>
<p>2. The _____ in the back of the eye detect light and transform it into a nerve signal.</p> <p>A. nerves B. iris C. photoreceptors D. cornea</p>	<p>7. Motor neurons:</p> <p>A. are fast and sensory neurons are slow. B. carry messages to the CNS and to sensory neurons to the PNS. C. carry messages from the CNS to effector organs such as muscles. D. carry messages to the CNS from the effectors and sensory neurons.</p>
<p>3. The basic unit of the nervous system is the:</p> <p>A. neuron B. nerve C. brain D. spinal cord</p>	<p>8. The _____ lobe of the brain that processes sounds and smells.</p> <p>A. frontal B. parietal C. occipital D. temporal</p>
<p>4. Which of the following statements about the neuron is correct?</p> <p>A. Dendrites take the nerve impulse away from the cell body and axons take the nerve impulse to the cell body. B. Dendrites increase the speed of a nerve impulse and the cell body decreases the speed of a nerve impulse. C. Dendrites decrease the speed of a nerve impulse and the cell body increases the speed of a nerve impulse. D. Dendrites take the nerve impulse to the cell body and axons take the nerve impulse away from the cell body.</p>	<p>9. Identify the part of the neuron labelled 1 in the diagram.</p>  <p>A. axon B. dendrite C. synaptic terminal D. cell body</p>
<p>5. You touch something very hot and burn your hand. The part of the nervous system that immediately sends the message to your muscles so that you move your hand is:</p> <p>A. the spinal cord B. the cerebrum C. the brain D. an effector</p>	<p>10. The hormone that prepares the body for the 'fight or flight' response is:</p> <p>A. thyroid-stimulating hormone B. calcitonin C. adrenalin D. melatonin</p>

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