

Brett Robbins Academic Consulting

Biology 30 Practice Test

Unit A: Nervous & Endocrine Systems

5 Questions

Original practice questions written to the Alberta curriculum, in the style of past diploma examinations. Work through each question, then check your answers with the key at the end.

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, contact Brett for clarification.

Question 1

The part of a neuron that receives incoming signals from other neurons or from sensory receptors is the

- A) axon
- B) dendrite
- C) myelin sheath
- D) node of Ranvier

Question 2

The resting potential of a neuron is maintained primarily by

- A) the sodium – potassium pump, which moves sodium ions out of the neuron and potassium ions into the neuron
- B) sodium channels that remain permanently open in the membrane of the axon
- C) chloride ions that are pumped into the neuron
- D) the myelin sheath, which generates an electrical charge

Question 3

The division of the nervous system that consists of the brain and the spinal cord is the

- A) autonomic nervous system
- B) somatic nervous system
- C) central nervous system
- D) peripheral nervous system

Question 4

Insulin is secreted by

- A) beta cells in the islets of the pancreas
- B) the adrenal cortex
- C) the anterior pituitary gland
- D) the thyroid gland

Question 5

Before they are released into the synaptic cleft, neurotransmitter molecules are stored in

- A) the dendrites of the postsynaptic neuron
- B) the myelin sheath
- C) synaptic vesicles in the axon terminal
- D) the nodes of Ranvier

Answer Key

- | | | |
|------|------|------|
| 1. B | 3. C | 5. C |
| 2. A | 4. A | |

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