NUNAVUT BIOLOGY 30 · UNIT A · 10 QUESTIONS

Nervous & Endocrine Systems — Practice Test

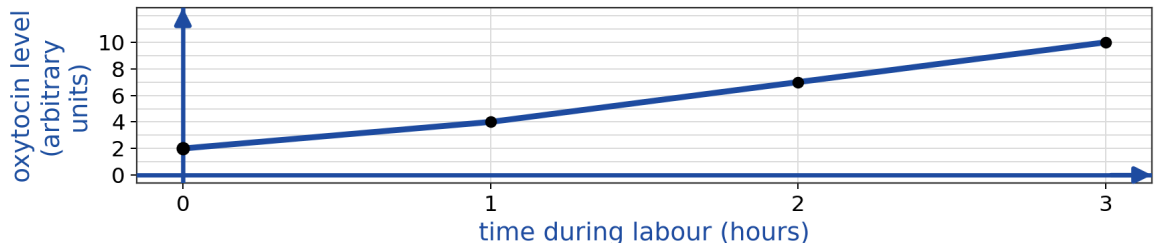
This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A student is startled by a loud noise, and her sympathetic nervous system is activated. A response caused by sympathetic stimulation is**

- A the pupils constrict and the digestive organs become more active
- B the heart rate increases and the pupils dilate
- C the heart rate decreases and glucose is stored as glycogen
- D the bronchioles constrict and blood flow to the skin increases

Understand It with Pulse | Flag a mistake

2 **The graph shows oxytocin level during labour. As labour progresses, the oxytocin level**



- **A** increases
- **B** decreases
- **C** stays the same
- **D** increases, then decreases

Understand It with Pulse | Flag a mistake

3 **The region at the base of the brain that controls involuntary actions such as breathing rate, heart rate, and swallowing is the**

- **A** medulla oblongata
- **B** cerebrum
- **C** cerebellum
- **D** corpus callosum

Understand It with Pulse | Flag a mistake

4

Some Events That Occur When a Sound Is Heard 1 The auditory nerve carries impulses to the brain 2 The ossicles amplify the vibrations 3 Sound waves strike the tympanic membrane and make it vibrate 4 Moving fluid in the cochlea stimulates the hair cells The order in which the events above occur is ____, ____, ____, and ____. Record your answer as a four-digit code.

ANSWER _____

Understand It with Pulse | Flag a mistake

5

A person who is under stress for a long period of time has elevated levels of cortisol in the blood. Cortisol, which is released by the adrenal cortex, helps the body deal with stress by

A lowering blood glucose levels so that cells conserve energy

B causing the immediate release of epinephrine from the adrenal medulla

C breaking down proteins and fats, which raises blood glucose levels

D increasing the reabsorption of water by the kidneys

Understand It with Pulse | Flag a mistake

6 **In an adult, the overproduction of growth hormone by the anterior pituitary gland causes the bones of the hands, feet, and jaw to become thicker. This condition is called**

- A gigantism
- B acromegaly
- C dwarfism
- D cretinism

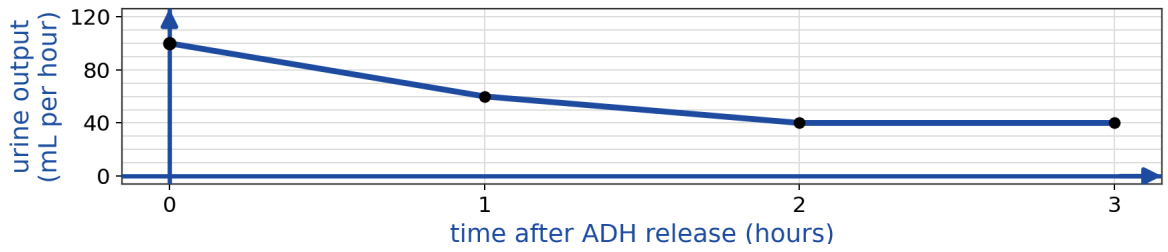
Understand It with Pulse | Flag a mistake

7 **When a person shifts their gaze from a distant object to a nearby object, the lens must change shape so that the image stays focused on the retina. To focus on the nearby object,**

- A the ciliary muscles relax, and the lens becomes flatter
- B the iris contracts, and the pupil becomes larger
- C the suspensory ligaments pull on the lens, making it thinner
- D the ciliary muscles contract, and the lens becomes thicker and more rounded

Understand It with Pulse | Flag a mistake

8 **The graph shows urine output after ADH is released. What is the urine output, in millilitres per hour, 2 hours after ADH is released? Record your answer as a number.**



ANSWER _____

Understand It with Pulse | Flag a mistake

9 **The structure that connects the left and right cerebral hemispheres and allows the two hemispheres to communicate with each other is the**

A corpus callosum

B medulla oblongata

C meninges

D spinal cord

Understand It with Pulse | Flag a mistake

10 **Aldosterone helps to regulate blood volume and blood pressure. It does this by causing the kidneys to increase the reabsorption of**

A glucose

B potassium ions

C sodium ions

D urea

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. B
2. A
3. A
4. 3241
5. C
6. B
7. D
8. 40
9. A
10. C

© 2026 Brett Robbins. All Rights Reserved.