NEWFOUNDLAND AND LABRADOR BIOLOGY 3201 · UNIT A · 10 QUESTIONS

Maintaining Dynamic Equilibrium II — 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 **Sweating cools the body mainly because evaporation of sweat**



A adds heat to the skin

B removes heat from the skin

C blocks blood flow

D raises blood pressure

Understand It with Pulse | Flag a mistake

2 **Shivering helps restore body temperature because muscle activity**

A removes heat

B stops blood flow

C generates heat

D lowers metabolism

Understand It with Pulse | Flag a mistake

3 **Vasodilation of skin blood vessels helps the body lose heat by**



A decreasing blood flow near the skin

B closing sweat glands

C raising metabolic rate

D increasing blood flow near the skin

Understand It with Pulse | Flag a mistake

4 **Osmoreceptors detect changes in**

A blood solute concentration

B blood colour

C lung volume

D bone length

Understand It with Pulse | Flag a mistake

5 **Core temperature falls from 37 degrees to 35 degrees. The fall in degrees is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **Water intake is 2000 millilitres and output is 1700 millilitres. The net gain in millilitres is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **Heart rate falls from 110 beats per minute to 80 beats per minute. The fall in beats per minute is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **A kidney filters 180 litres and excretes 3 litres. The volume reabsorbed in litres is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **A person sweats 500 millilitres per hour for 4 hours. The total loss in millilitres is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **Breathing rate rises from 14 breaths per minute to 20 breaths per minute. The extra breaths in one hour is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. B
2. C
3. D
4. A
5. 2
6. 300
7. 30
8. 177
9. 2000
10. 360

© 2026 Brett Robbins. All Rights Reserved.