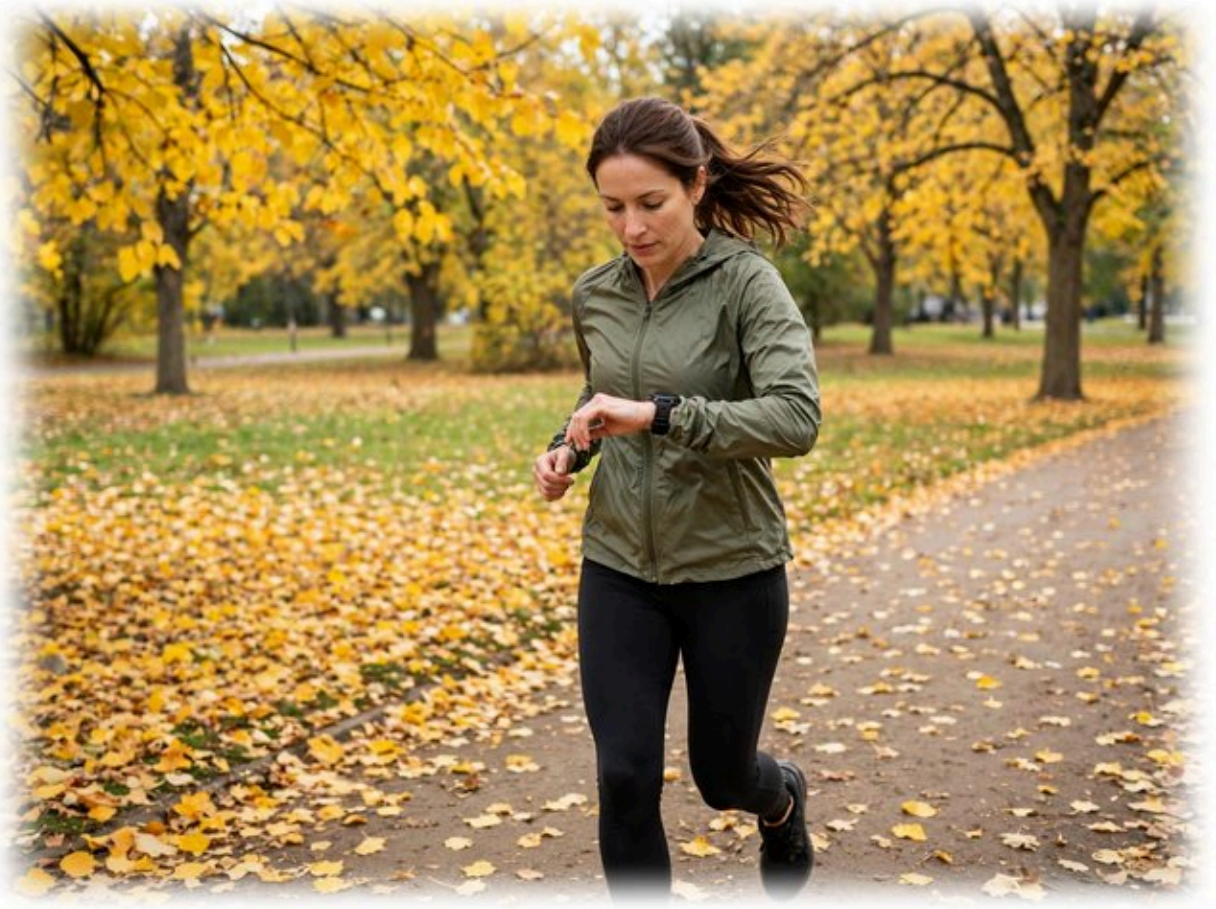
NEW BRUNSWICK BIOLOGY 111-112 · UNIT E · 10 QUESTIONS

Maintaining Dynamic Equilibrium: Homeostasis, Digestive, Circulatory, Respiratory, and Immune 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 heart rate rises from 65 beats per minute at rest to 115 beats per minute during exercise. The increase, in beats per minute, is**



ANSWER

Understand It with Pulse | Flag a mistake

2 **A person breathes 18 times per minute at rest and 36 times per minute during exercise. The increase, in breaths per minute, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **The respiratory system brings in oxygen and removes**

A nitrogen

B carbon dioxide

C glucose

D water only

Understand It with Pulse | Flag a mistake

4

Veins carry blood

A toward the heart

B away from the heart

C only to the lungs

D only deoxygenated blood always

Understand It with Pulse | Flag a mistake

5

When body temperature rises, sweating helps by

A warming the body, raising its temperature even higher as exercise goes on

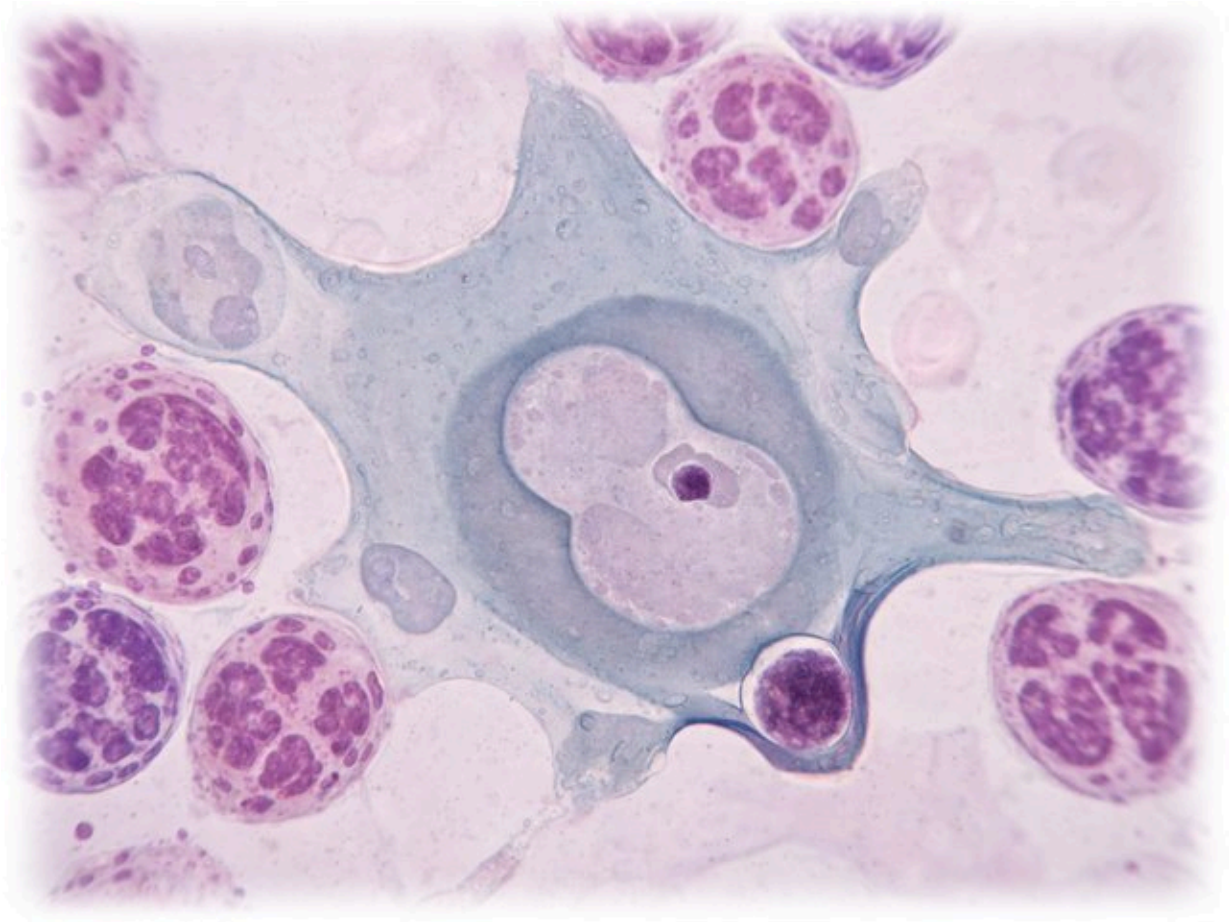
B raising blood pressure

C cooling the body through evaporation

D stopping blood flow

Understand It with Pulse | Flag a mistake

6 **White blood cells called phagocytes defend by**



A making red blood cells

B carrying oxygen

C clotting blood

D engulfing pathogens

Understand It with Pulse | Flag a mistake

7 **A heart rate rises from 75 beats per minute at rest to 125 beats per minute during exercise. The increase, in beats per minute, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **A person breathes 20 times per minute at rest and 35 times per minute during exercise. The increase, in breaths per minute, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **A heart rate rises from 70 beats per minute at rest to 130 beats per minute during exercise. The increase, in beats per minute, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **A heart rate rises from 80 beats per minute at rest to 150 beats per minute during exercise. The increase, in beats per minute, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 50
2. 18
3. B
4. A
5. C
6. D
7. 50
8. 15
9. 60
10. 70

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