NOVA SCOTIA BIOLOGY 11 · UNIT C

Maintaining Dynamic Equilibrium I — Practice Test

Nova Scotia Biology 11 • 25 questions

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 beats 70 times per minute. In 5 minutes the number of beats is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A heart beats 80 times per minute. In 4 minutes the number of beats is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A resting heart rate is 72 beats per minute. In 6 minutes the beats total**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A blood sample has 120 red cells counted in a field and 40 white cells. The difference is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **Homeostasis is the maintenance of a**

A stable internal environment

B changing outside temperature

C constant heart rate only

D fixed body size

Understand It with Pulse | Flag a mistake

6 **The heart chamber that pumps blood to the body is the**

A right atrium

B left ventricle

C left atrium

D right ventricle only

Understand It with Pulse | Flag a mistake

7 **Arteries carry blood**

A toward the heart only

B only to the lungs

C away from the heart

D only in veins

Understand It with Pulse | Flag a mistake

8 **Gas exchange in the lungs happens in the**

A trachea only

B bronchi only

C diaphragm only

D alveoli

Understand It with Pulse | Flag a mistake

9 **Red blood cells carry oxygen using**

A hemoglobin

B plasma only

C platelets

D white cells

Understand It with Pulse | Flag a mistake

10 **The digestive organ where most nutrient absorption happens is the**

A stomach

B small intestine

C mouth

D large intestine

Understand It with Pulse | Flag a mistake

11 **Negative feedback works to**

A increase a change forever

B stop all body processes

C reverse a change and restore balance

D raise temperature only

Understand It with Pulse | Flag a mistake

12 **The excretory organ that filters blood and makes urine is the**

A liver

B lung

C skin only

D kidney

Understand It with Pulse | Flag a mistake

13 **Capillaries are important because they**

A allow exchange between blood and tissues

B pump blood

C carry air to the lungs

D digest food

Understand It with Pulse | Flag a mistake

14 **The diaphragm helps breathing by**

A filtering blood

B changing chest volume

C pumping blood

D absorbing nutrients

Understand It with Pulse | Flag a mistake

15 **Platelets help the blood to**

A carry oxygen

B fight infection only

C clot

D digest food

Understand It with Pulse | Flag a mistake

16 **The liver helps digestion by producing**

A insulin only

B urine

C mucus only

D bile

Understand It with Pulse | Flag a mistake

17 **White blood cells defend the body against**

A pathogens

B oxygen

C nutrients

D water

Understand It with Pulse | Flag a mistake

18 **Breathing rate increases during exercise mainly to**

A cool the skin only

B supply more oxygen and remove carbon dioxide

C slow the heart

D digest food faster

Understand It with Pulse | Flag a mistake

19 **A valve in the heart prevents blood from**

A leaving the heart

B entering the lungs

C flowing backwards

D carrying oxygen

Understand It with Pulse | Flag a mistake

20 **The pulmonary circuit carries blood between the heart and the**

A body

B brain only

C kidneys

D lungs

Understand It with Pulse | Flag a mistake

21 **Enzymes in the small intestine work best in conditions that are**

A slightly alkaline

B strongly acidic

C very cold

D dry

Understand It with Pulse | Flag a mistake

22 **Veins carry blood**

A toward the heart

B away from the heart only

C only to the brain

D only in arteries

Understand It with Pulse | Flag a mistake

23 **The stomach breaks down food mainly with**

A bile only

B acid and enzymes

C air

D water only

Understand It with Pulse | Flag a mistake

24 **The large intestine mainly absorbs**

A protein

B oxygen

C water

D bile

Understand It with Pulse | Flag a mistake

25 **Sweating helps maintain body temperature by**

A raising temperature

B stopping blood flow

C digesting food

D evaporative cooling

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 350
2. 320
3. 432
4. 80
5. A
6. B
7. C
8. D
9. A
10. B
11. C
12. D
13. A
14. B
15. C
16. D
17. A
18. B
19. C
20. D
21. A
22. A
23. B
24. C
25. D

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