NORTHWEST TERRITORIES ANATOMY AND PHYSIOLOGY 12 (MATPH12) · UNIT C · 25 QUESTIONS

Circulatory and Urinary 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 **The chamber of the heart that pumps blood to the whole body is the**

- A left ventricle
- B right atrium
- C left atrium
- D right ventricle

Understand It with Pulse | Flag a mistake

2 **The chamber that receives oxygen poor blood from the body is the**

A left ventricle

B right atrium

C left atrium

D right ventricle

Understand It with Pulse | Flag a mistake

3 **Valves in the heart and veins prevent**

A blood clotting

B fast flow

C backflow of blood

D oxygen loss

Understand It with Pulse | Flag a mistake

4 **Arteries carry blood**

A only to the lungs

B only to the heart

C only when oxygen poor

D away from the heart

Understand It with Pulse | Flag a mistake

5 **Exchange of materials between blood and tissues happens mainly in**

A capillaries

B arteries

C veins

D valves

Understand It with Pulse | Flag a mistake

6 **The blood component that carries oxygen is the**

A platelet

B red blood cell

C white blood cell

D plasma protein

Understand It with Pulse | Flag a mistake

7 **The blood component that helps fight infection is the**

A platelet

B plasma

C white blood cell

D red blood cell

Understand It with Pulse | Flag a mistake

8 **The blood component that helps blood clot is the**

A red blood cell

B white blood cell

C plasma

D platelet

Understand It with Pulse | Flag a mistake

9 **In a typical adult blood pressure reading, the higher number is the**

A systolic pressure

B diastolic pressure

C pulse pressure

D venous pressure

Understand It with Pulse | Flag a mistake

10 **Systolic pressure is measured when the ventricles are**

- A relaxing
- B contracting
- C filling slowly
- D blocked

Understand It with Pulse | Flag a mistake

11 **A healthy resting systolic pressure for many adults is about**

ANSWER _____

Understand It with Pulse | Flag a mistake

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

A body tissues

B kidneys

C lungs

D liver

Understand It with Pulse | Flag a mistake

13 **The systemic circuit carries blood between the heart and the**

A lungs

B kidneys only

C brain only

D body tissues

Understand It with Pulse | Flag a mistake

14 **The functional unit of the kidney is the**

A nephron

B alveolus

C villus

D glomerulus only

Understand It with Pulse | Flag a mistake

15 **Filtration of blood in a nephron begins in the**

A loop of Henle

B glomerulus

C collecting duct

D ureter

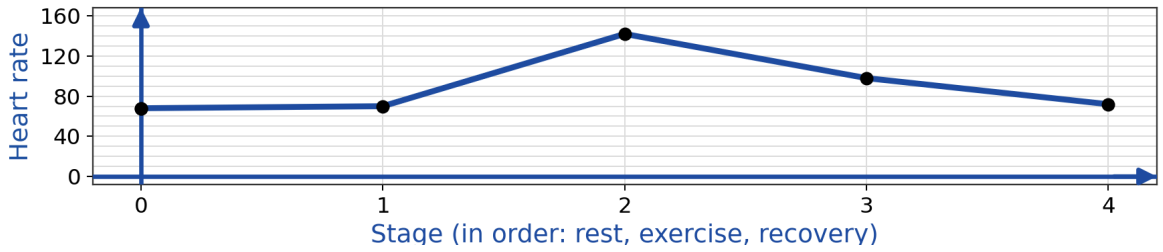
Understand It with Pulse | Flag a mistake

16 **Useful substances filtered out of blood are returned to blood by**

- **A** secretion
- **B** filtration
- **C** reabsorption
- **D** excretion

Understand It with Pulse | Flag a mistake

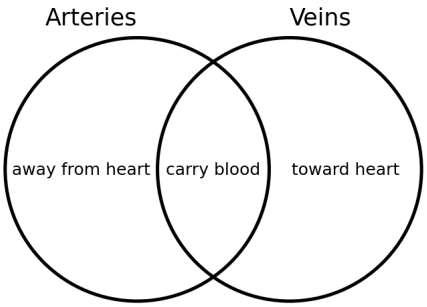
17 **The graph shows heart rate at rest, during exercise and in recovery. Heart rate is highest**



- **A** at rest
- **B** in recovery
- **C** before exercise
- **D** during exercise

Understand It with Pulse | Flag a mistake

18 **The diagram compares arteries and veins. The feature shared by both vessel types is that they**



A carry blood

B have thick muscular walls

C carry only oxygen rich blood

D contain valves throughout

Understand It with Pulse | Flag a mistake

19 **The hormone that increases water reabsorption in the kidney is**

A insulin

B adrenaline

C thyroxine

D ADH

Understand It with Pulse | Flag a mistake

20 **When the body is dehydrated, ADH levels normally**

A rise

B fall

C stay at zero

D stop changing

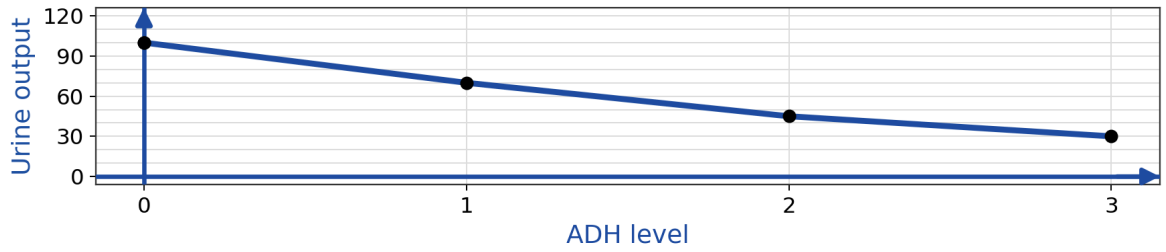
Understand It with Pulse | Flag a mistake

21 **More ADH leads to urine that is**

- A more dilute
- B larger in volume
- C free of urea
- D more concentrated

Understand It with Pulse | Flag a mistake

22 **The graph shows urine output as ADH level rises. As ADH rises, urine output**



- A increases
- B stays the same
- C drops to zero at once
- D decreases

Understand It with Pulse | Flag a mistake

23 **The kidneys help homeostasis by regulating**

- A water, salts and blood pH
- B oxygen intake only
- C food digestion
- D nerve impulses

Understand It with Pulse | Flag a mistake

24 **A person with kidney failure may receive dialysis because dialysis**

- A replaces the heart
- B filters wastes from blood
- C adds oxygen to blood
- D digests protein

Understand It with Pulse | Flag a mistake

25

Blood pressure rises when blood volume

A falls

B increases

C stays the same

D becomes zero

Understand It with Pulse

Flag a mistake

ANSWER KEY

1. A
2. B
3. C
4. D
5. A
6. B
7. C
8. D
9. A
10. B
11. 120
12. C
13. D
14. A
15. B
16. C
17. D
18. A
19. D
20. A
21. D
22. D
23. A
24. B
25. B

© 2026 Brett Robbins. All Rights Reserved.