YUKON ANATOMY AND PHYSIOLOGY 12 (MATPH12) · UNIT B · 10 QUESTIONS

Digestive and Respiratory 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 appendix is attached to the**

- A caecum
- B stomach
- C liver
- D pancreas

Understand It with Pulse | Flag a mistake

2 **The first branch of the trachea into each lung is a**

- A bronchiole
- B alveolus
- C bronchus
- D capillary

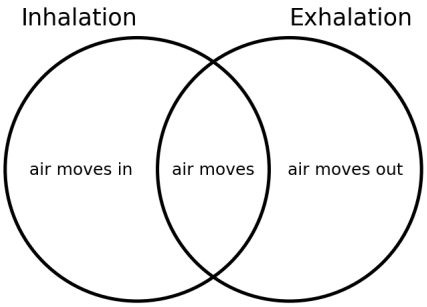
Understand It with Pulse | Flag a mistake

3 **During exhalation, the volume of the chest cavity**

- A increases
- B stays the same
- C decreases
- D doubles

Understand It with Pulse | Flag a mistake

4 **The diagram compares inhalation and exhalation. The feature shared by both stages is that they**



A move air between lungs and outside air

B expand the chest

C contract the diaphragm

D raise oxygen in blood

Understand It with Pulse | Flag a mistake

5 **Haemoglobin releases oxygen most readily where tissues are**

- A high in oxygen
- B low in oxygen
- C high in glucose
- D low in carbon dioxide

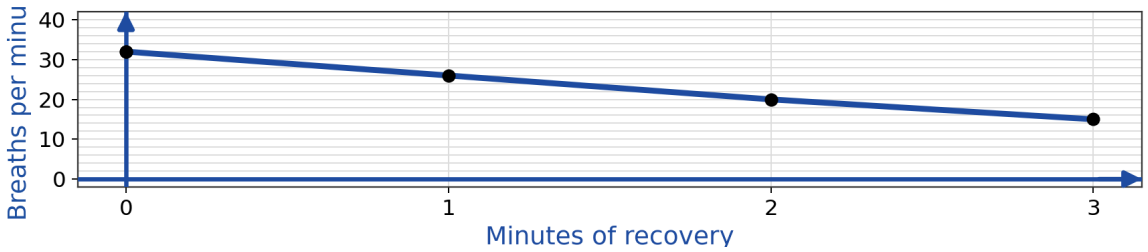
Understand It with Pulse | Flag a mistake

6 **Most carbon dioxide in blood is carried as**

- A free gas
- B haemoglobin
- C hydrogen carbonate ions
- D plasma protein

Understand It with Pulse | Flag a mistake

7 **The graph shows breathing rate as a person rests after exercise. As recovery proceeds, breathing rate**



A rises steadily, since breathing rate keeps climbing long after exercise ends and never settles back down

B stays high

C falls back toward resting rate

D drops to zero

Understand It with Pulse | Flag a mistake

8 **Smoking damages alveoli and reduces their surface area. Gas exchange then**

A becomes faster

B stops needing oxygen

C moves to the stomach

D becomes less efficient

Understand It with Pulse | Flag a mistake

9 **The digestive system helps homeostasis by keeping a steady supply of**

A oxygen

B carbon dioxide

C nutrients in blood

D red cells

Understand It with Pulse | Flag a mistake

10 **The respiratory system helps control blood pH by adjusting how much**

A oxygen is eaten

B food is digested

C water is drunk

D carbon dioxide is breathed out

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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