ENGLAND GCSE COMBINED SCIENCE EDEXCEL HIGHER · UNIT 8 · 25 QUESTIONS

Exchange and Transport in Animals — 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 so it can be fixed.

1

A thermometer measures temperature in degrees Celsius. What is the freezing point of water on this scale?

A 32

B 0

C 10

D 100

Understand It with Pulse

Flag a mistake

2 **A passenger train carries people around the country. Which part of the blood is like the train, carrying oxygen around the body?**

- A red blood cells
- B platelets
- C plasma
- D white blood cells

Understand It with Pulse | Flag a mistake

3 **Eggs can carry Salmonella bacteria. What should you do before eating eggs?**

- A eat them raw
- B leave them in the sun
- C wash them in cold water
- D cook them thoroughly

Understand It with Pulse | Flag a mistake

4 **Hardcover books are stacked on a table. What force pulls them down?**

- A air resistance
- B gravity
- C tension
- D friction

Understand It with Pulse | Flag a mistake

5 **A yellow school bus is full of children. What is its mass like?**

- A smaller than when empty
- B larger than when empty
- C the same as when empty
- D zero

Understand It with Pulse | Flag a mistake

6 **A school lunch tray holds a meal with bread, cheese and an apple. Which food group is the bread from?**

- A vitamins, for health
- B carbohydrates
- C fats, for insulation
- D proteins, for growth

Understand It with Pulse | Flag a mistake

7 **Which side of the heart pumps blood to the lungs?**

- A both sides equally
- B the right side
- C the left side
- D neither side

Understand It with Pulse | Flag a mistake

8 **A heart beats 60 times per minute. Each beat pumps 60 mL of blood. Calculate the cardiac output in mL per minute.**

- A 3600
- B 3700
- C 7200
- D 1800

Understand It with Pulse | Flag a mistake

9 **A heart beats 80 times per minute. How many beats is that in one hour?**

- A 5400
- B 4200
- C 9600
- D 4800

Understand It with Pulse | Flag a mistake

10 **A person breathes 20 times per minute. How many breaths is that in one hour?**

- A 1140
- B 2400
- C 1260
- D 1200

Understand It with Pulse | Flag a mistake

11 **Why do alveoli have a good blood supply?**

- A to make the alveoli larger
- B to keep the lungs warm at all times
- C to carry gases away quickly
- D to filter dust out of the air

Understand It with Pulse | Flag a mistake

12 **What do platelets do?**

A carry hormones around the body

B fight infection

C carry oxygen to tissues

D help blood to clot

Understand It with Pulse | Flag a mistake

13 **What does the coronary artery supply?**

A the lungs with blood

B the liver with glucose

C the heart muscle

D the brain with oxygen

Understand It with Pulse | Flag a mistake

14 **Why do capillaries have thin walls?**

A so they can stretch with each heartbeat

B so they can carry blood to the heart

C so blood can flow through them quickly

D so substances diffuse quickly

Understand It with Pulse | Flag a mistake

15 **A heart beats 60 times per minute and pumps 80 mL per beat. What is the cardiac output in mL per minute?**

A 5300 mL/min

B 9600 mL/min

C 4300 mL/min

D 4800 mL/min

Understand It with Pulse | Flag a mistake

16 **Which blood vessel carries blood back to the heart?**

A an atrium

B a vein

C an artery

D a capillary

Understand It with Pulse | Flag a mistake

17 **A heart beats 75 times per minute. Each beat pumps 70 mL of blood. Calculate the cardiac output in mL per minute.**

A 5250

B 10500

C 2625

D 5350

Understand It with Pulse | Flag a mistake

18 **A person breathes 12 times per minute. How many breaths is that in one hour?**

- A 660
- B 720
- C 780
- D 1440

Understand It with Pulse | Flag a mistake

19 **Where does gas exchange happen in the lungs?**

- A in the windpipe, where air enters
- B in the ribs, which protect the lungs
- C in the alveoli
- D in the diaphragm, below the lungs

Understand It with Pulse | Flag a mistake

20 **How do statins help to prevent heart disease?**

- A they thin the blood permanently
- B they lower blood cholesterol
- C they make the heart beat faster
- D they widen the arteries directly

Understand It with Pulse | Flag a mistake

21 **A heart beats 80 times per minute and pumps 70 mL per beat. What is the cardiac output in mL per minute?**

- A 11200 mL/min
- B 5600 mL/min
- C 6100 mL/min
- D 5100 mL/min

Understand It with Pulse | Flag a mistake

22 **A heart beats 80 times per minute. Each beat pumps 70 mL of blood. Calculate the cardiac output in mL per minute.**

- A 11200
- B 2800
- C 5700
- D 5600

Understand It with Pulse | Flag a mistake

23 **A heart beats 60 times per minute. How many beats is that in one hour?**

- A 7200
- B 4200
- C 3000
- D 3600

Understand It with Pulse | Flag a mistake

24 **How is oxygen taken into the blood?**

A by osmosis through the cell walls

B by diffusion

C by active transport using energy

D by the blood pumping it in

Understand It with Pulse | Flag a mistake

25 **What do white blood cells do?**

A carry glucose to the muscles

B help the blood to clot

C defend against pathogens

D carry oxygen around the body

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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