ENGLAND GCSE COMBINED SCIENCE EDEXCEL FOUNDATION · 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 100
- D 10

Understand It with Pulse | Flag a mistake

2 **A yellow school bus stops at a station. What happens to its speed?**

A it increases

B it becomes zero

C it stays the same

D it becomes negative

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3 **Hardcover books have mass. What is mass measured in?**

A joules

B kilograms

C watts

D newtons, the unit of force

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4 **A school lunch tray holds a meal with milk. Which nutrient is milk rich in?**

- A calcium
- B vitamin C
- C iron
- D fibre

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5 **A passenger train travels at a steady speed. What is its acceleration?**

- A 10 m/s^2
- B 0 m/s^2
- C 9.8 m/s^2
- D 1 m/s^2

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

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

Understand It with Pulse | Flag a mistake

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

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

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8 **What happens to the ribs when breathing in?**

- A they move down and inwards
- B they close off the windpipe
- C they move up and out
- D they stay still while air enters

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

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

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

- A 6900 mL/min
- B 5900 mL/min
- C 6400 mL/min
- D 12800 mL/min

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

12 **What do platelets do?**

A carry hormones around the body

B carry oxygen to tissues

C help blood to clot

D fight infection

Understand It with Pulse | Flag a mistake

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

A 3600

B 4200

C 3000

D 7200

Understand It with Pulse | Flag a mistake

14 **What is plasma?**

A the liquid part of the blood

B the cells that fight infection in the body

C the protein that helps blood to clot

D the cells that carry oxygen around the body

Understand It with Pulse | Flag a mistake

15 **Which component of blood carries oxygen?**

A platelets

B red blood cells

C plasma

D white blood cells

Understand It with Pulse | Flag a mistake

16 **A person breathes 15 times per minute. How many breaths is that in one hour?**

- A 840
- B 960
- C 1800
- D 900

Understand It with Pulse | Flag a mistake

17 **Why do alveoli have thin walls?**

- A so the ribs can protect them
- B so mucus can trap dust
- C so the lungs can hold more air
- D so gases diffuse quickly

Understand It with Pulse | Flag a mistake

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

- A 4800 mL/min
- B 5300 mL/min
- C 9600 mL/min
- D 4300 mL/min

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

20 **Which blood cells contain haemoglobin?**

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

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

22 **Where does exchange of substances happen?**

A in the arteries, where blood is fastest

B in the veins, where blood is slowest

C in the heart, where blood is pumped

D in the capillaries

Understand It with Pulse | Flag a mistake

23 **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

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

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

Understand It with Pulse | Flag a mistake

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

- A by active transport using energy
- B by osmosis through the cell walls
- C by the blood pumping it in
- D by diffusion

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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