ENGLAND GCSE BIOLOGY OCR TWENTY FIRST CENTURY HIGHER · UNIT 5 · 25 QUESTIONS

The Human Body - Staying Alive — 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 basketball bounces. What type of energy is stored when the ball squashes?**

A elastic potential

B gravitational potential

C kinetic

D thermal

Understand It with Pulse | Flag a mistake

2 **Eggs are produced by hens. What is the female reproductive cell called?**

A an embryo

B a zygote

C an egg cell

D a sperm cell

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3 **A thermometer shows a runner's skin temperature falls after she starts sweating. Why?**

A sweat warms the skin

B evaporating sweat takes heat away

C sweat blocks heat loss

D sweat makes the blood thicker and slower

Understand It with Pulse | Flag a mistake

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

- A it becomes zero
- B it becomes negative
- C it increases
- D it stays the same

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

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

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6 **A brown dog is bitten by a tick. Ticks can spread disease. How is the disease spread?**

- A through the air
- B by touch
- C by a vector
- D through water

Understand It with Pulse | Flag a mistake

7 **What does glucagon do?**

- A makes insulin
- B breaks down insulin
- C raises blood glucose
- D lowers blood glucose

Understand It with Pulse | Flag a mistake

8 **How does shivering help when the body is cold?**

A muscles use less energy

B muscles release heat

C the skin loses heat

D blood flow increases

Understand It with Pulse | Flag a mistake

9 **What causes type 2 diabetes?**

A cells stop responding to insulin

B the pancreas makes no insulin

C the kidneys remove too much glucose

D the liver makes too much insulin

Understand It with Pulse | Flag a mistake

10 **What is insulin?**

A a nerve signal

B an enzyme that digests glucose

C a hormone that lowers blood glucose

D a hormone that raises blood glucose

Understand It with Pulse | Flag a mistake

11 **Why does a plant cell not burst in pure water?**

A the chloroplasts use the water up

B the cell wall stops it swelling

C the cell membrane is waterproof

D the vacuole absorbs all the water

Understand It with Pulse | Flag a mistake

12 **Body temperature is 37 degrees Celsius. It rises by 2 degrees. What is the temperature now?**

A 38 degrees Celsius

B 39 degrees Celsius

C 40 degrees Celsius

D 41 degrees Celsius

Understand It with Pulse | Flag a mistake

13 **Which plant hormone ripens fruit?**

A auxin

B gibberellin

C ethene

D adrenaline

Understand It with Pulse | Flag a mistake

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

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

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15 **A piece of potato weighs 6 g. After soaking in pure water it weighs 6.4 g. What is the percentage increase in mass?**

- A 11.7%
- B 3.35%
- C 6.7%
- D 13.4%

Understand It with Pulse | Flag a mistake

16 **Which neurone carries the impulse from the CNS to the effector?**

- A a receptor neurone
- B a sensory neurone
- C a motor neurone
- D a relay neurone

Understand It with Pulse | Flag a mistake

17 **What is the name for the gap between two neurones?**

- A an effector
- B a receptor
- C a dendron
- D a synapse

Understand It with Pulse | Flag a mistake

18 **Blood glucose falls from 9 mmol per litre to 5 mmol per litre. What is the fall?**

- A 6 mmol/L
- B 4 mmol/L
- C 5 mmol/L
- D 3 mmol/L

Understand It with Pulse | Flag a mistake

19 **Why do red blood cells have no nucleus?**

- A to fight infection better
- B to live for longer
- C to divide more quickly in the bone marrow
- D to carry more haemoglobin

Understand It with Pulse | Flag a mistake

20 **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 4300 mL/min
- D 9600 mL/min

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

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

Understand It with Pulse | Flag a mistake

22 **Which blood vessel carries blood away from the heart?**

A a capillary

B a ventricle

C an artery

D a vein

Understand It with Pulse | Flag a mistake

23 **What does ADH do?**

A it increases the heart rate

B it lowers blood glucose

C it controls the amount of salt in food

D it controls water reabsorption

Understand It with Pulse | Flag a mistake

24 **What is IVF?**

A fertilisation outside the body

B a hormone treatment for diabetes

C fertilisation inside the womb

D a type of contraception used by couples

Understand It with Pulse | Flag a mistake

25 **What happens to blood vessels in the skin when the body is hot?**

A they widen to lose heat

B they narrow to keep heat in

C they move deeper into the skin

D they close completely

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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