ENGLAND GCSE BIOLOGY OCR GATEWAY FOUNDATION · UNIT 3 · 25 QUESTIONS

Organism Level 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 so it can be fixed.

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

- A sweat warms the skin
- B sweat makes the blood thicker and slower
- C evaporating sweat takes heat away
- D sweat blocks heat loss

Understand It with Pulse | Flag a mistake

2 **A wristwatch measures time. What is the unit of time?**

- A the hour
- B the day
- C the second
- D the minute

Understand It with Pulse | Flag a mistake

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

- A kilograms
- B newtons, the unit of force
- C joules
- D watts

Understand It with Pulse | Flag a mistake

4 **A yellow school bus carries children to school. Which blood vessel carries blood away from the heart, like a bus leaving the station?**

- A a ventricle
- B a vein
- C a capillary
- D an artery

Understand It with Pulse | Flag a mistake

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

A vitamin C

B calcium

C fibre

D iron

Understand It with Pulse | Flag a mistake

6 **Eggs contain protein. Which part of the egg is mostly protein?**

A the white

B the shell

C the yolk

D the air sac

Understand It with Pulse | Flag a mistake

7 **What does the kidney do?**

A it makes insulin

B it stores glucose as glycogen

C it produces red blood cells

D it filters the blood

Understand It with Pulse | Flag a mistake

8 **Why does a shoot bend towards light?**

A more auxin on the shaded side

B the lit side grows faster

C auxin builds up on the lit side

D the roots pull the shoot over

Understand It with Pulse | Flag a mistake

9

How does sweating cool the body?

A sweat warms the skin surface

B sweat carries heat into the blood

C sweat evaporates from the skin

D sweat blocks the pores

Understand It with Pulse | Flag a mistake

10

What does insulin do?

A stops glucose entering cells

B raises blood glucose

C lowers blood glucose

D keeps blood glucose steady

Understand It with Pulse | Flag a mistake

11 **Body temperature is 37 degrees Celsius. It rises by 1 degrees. What is the temperature now?**

- A 39 degrees Celsius
- B 38 degrees Celsius
- C 37 degrees Celsius
- D 40 degrees Celsius

Understand It with Pulse | Flag a mistake

12 **Blood glucose falls from 9 mmol per litre to 4 mmol per litre. What is the fall?**

- A 6 mmol/L
- B 7 mmol/L
- C 5 mmol/L
- D 4 mmol/L

Understand It with Pulse | Flag a mistake

13 **Which plant hormone makes shoots bend towards light?**

A auxin

B gibberellin

C ethene

D insulin

Understand It with Pulse | Flag a mistake

14 **Which gland makes insulin?**

A the adrenal gland

B the thyroid

C the pancreas

D the pituitary

Understand It with Pulse | Flag a mistake

15 **What does dialysis do?**

A it replaces a failed kidney permanently

B it filters the blood artificially

C it makes new kidney tissue

D it removes salt from the diet

Understand It with Pulse | Flag a mistake

16 **What do gibberellins do?**

A they start germination

B they ripen fruit

C they bend shoots to light

D they stop roots growing

Understand It with Pulse | Flag a mistake

17 **Why does shivering warm the body?**

A blood flows faster to the skin surface

B the hairs stand up on the skin

C muscles relax and store heat

D muscles contract and release heat

Understand It with Pulse | Flag a mistake

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

A a sensory neurone

B a receptor neurone

C a relay neurone

D a motor neurone

Understand It with Pulse | Flag a mistake

19 **After a meal, blood glucose rises. What happens next?**

- A glucagon is released
- B nothing happens
- C adrenaline is released
- D insulin is released

Understand It with Pulse | Flag a mistake

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

- A 41 degrees Celsius
- B 38 degrees Celsius
- C 39 degrees Celsius
- D 40 degrees Celsius

Understand It with Pulse | Flag a mistake

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

A muscles release heat

B muscles use less energy

C blood flow increases

D the skin loses heat

Understand It with Pulse | Flag a mistake

22 **How is type 1 diabetes treated?**

A with glucagon injections

B with exercise alone

C with insulin injections

D with a low fat diet only

Understand It with Pulse | Flag a mistake

23 **Blood glucose falls from 8 mmol per litre to 5 mmol per litre. What is the fall?**

- **A** 4 mmol/L
- **B** 5 mmol/L
- **C** 2 mmol/L
- **D** 3 mmol/L

Understand It with Pulse | Flag a mistake

24 **Which plant hormone ripens fruit?**

- **A** ethene
- **B** adrenaline
- **C** auxin
- **D** gibberellin

Understand It with Pulse | Flag a mistake

25 **How are gibberellins used to grow seedless fruit?**

A they stop the fruit ripening

B they make the fruit smaller

C they grow fruit without seeds

D they kill the seeds inside the fruit

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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