ENGLAND GCSE COMBINED SCIENCE OCR GATEWAY HIGHER · 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 measures temperature in degrees Celsius. What is the freezing point of water on this scale?**

- A 32
- B 10
- C 0
- D 100

Understand It with Pulse | Flag a mistake

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

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

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

A it becomes zero

B it becomes negative

C it stays the same

D it increases

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

A the minute

B the second

C the day

D the hour

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5 **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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6 **Eggs can carry Salmonella bacteria. What should you do before eating eggs?**

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

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

A they close completely

B they widen to lose heat

C they narrow to keep heat in

D they move deeper into the skin

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8 **Which is faster, a nerve impulse or a hormone?**

A a hormone in the blood

B they are the same speed

C a hormone

D a nerve impulse

Understand It with Pulse | Flag a mistake

9 **Body temperature is 37 degrees Celsius. It rises by 3 degrees. What is the temperature now?**

- A 42 degrees Celsius
- B 41 degrees Celsius
- C 39 degrees Celsius
- D 40 degrees Celsius

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

11 **What causes type 1 diabetes?**

A too much sugar in the diet

B the body cells resist insulin

C no insulin is made

D the liver stores too much glycogen

Understand It with Pulse | Flag a mistake

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

A a relay neurone

B a sensory neurone

C a motor neurone

D a receptor neurone

Understand It with Pulse | Flag a mistake

13 **What is urea?**

A a sugar stored in the liver

B a hormone that controls water

C waste from protein breakdown

D a salt lost in sweat

Understand It with Pulse | Flag a mistake

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

A they stop the fruit ripening

B they kill the seeds inside the fruit

C they make the fruit smaller

D they grow fruit without seeds

Understand It with Pulse | Flag a mistake

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

A ethene

B insulin

C gibberellin

D auxin

Understand It with Pulse | Flag a mistake

16 **What does ADH do?**

A increases urine volume

B stops the kidneys working

C decreases water reabsorption

D increases water reabsorption

Understand It with Pulse | Flag a mistake

17 **What does progesterone do?**

A it maintains the uterus lining

B it thickens the lining before ovulation

C it stimulates eggs to mature

D it triggers ovulation

Understand It with Pulse | Flag a mistake

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

A insulin is released

B nothing happens

C adrenaline is released

D glucagon is released

Understand It with Pulse | Flag a mistake

19 **How does sweating cool the body?**

A sweat carries heat into the blood

B sweat blocks the pores

C sweat warms the skin surface

D sweat evaporates from the skin

Understand It with Pulse | Flag a mistake

20 **Blood glucose falls from 10 mmol per litre to 4 mmol per litre. What is the fall?**

A 6 mmol/L

B 5 mmol/L

C 8 mmol/L

D 7 mmol/L

Understand It with Pulse | Flag a mistake

21 **What does insulin do?**

A it raises blood glucose

B it lowers blood glucose

C it breaks down glycogen in the liver

D it stores glucose in the blood

Understand It with Pulse | Flag a mistake

22 **What is a reflex action?**

A a fast automatic response

B a learned behaviour

C a hormonal response

D a slow thought-out response

Understand It with Pulse | Flag a mistake

23 **What does the kidney do?**

A it produces red blood cells

B it filters the blood

C it stores glucose as glycogen

D it makes insulin

Understand It with Pulse | Flag a mistake

24 **What do gibberellins do?**

A they start germination

B they ripen fruit

C they stop roots growing

D they bend shoots to light

Understand It with Pulse | Flag a mistake

25

What does oestrogen do?

A it maintains the lining after ovulation

B it triggers ovulation

C it thickens the uterus lining

D it stimulates eggs to mature

Understand It with Pulse

Flag a mistake

ANSWER KEY

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

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