ENGLAND GCSE COMBINED SCIENCE 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 school lunch tray holds a meal. Why do we need food?**

- A to stay awake at night
- B for fun only, not for health
- C to feel full after eating
- D for energy and growth

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

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

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

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

Understand It with Pulse | Flag a mistake

5 **A thermometer shows a patient's temperature is 39 degrees Celsius. Is this above or below normal body temperature?**

- A impossible to tell
- B below normal
- C exactly normal
- D above normal

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

7 **What is a reflex action?**

A a hormonal response

B a fast automatic response

C a learned behaviour

D a slow thought-out response

Understand It with Pulse | Flag a mistake

8 **What does insulin do?**

A keeps blood glucose steady

B raises blood glucose

C lowers blood glucose

D stops glucose entering cells

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 39 degrees Celsius

B 40 degrees Celsius

C 42 degrees Celsius

D 41 degrees Celsius

Understand It with Pulse | Flag a mistake

10 **What does ADH do?**

A it controls the amount of salt in food

B it increases the heart rate

C it controls water reabsorption

D it lowers blood glucose

Understand It with Pulse | Flag a mistake

11 **What happens to blood vessels in the skin when the body is cold?**

A they widen to lose heat

B they close completely

C they move closer to the surface

D they narrow to keep heat in

Understand It with Pulse | Flag a mistake

12 **What does glucagon do?**

A it raises blood glucose

B it stores glucose as glycogen

C it lowers blood glucose

D it stops the liver releasing glucose

Understand It with Pulse | Flag a mistake

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

A muscles release heat

B blood flow increases

C muscles use less energy

D the skin loses heat

Understand It with Pulse | Flag a mistake

14 **Blood glucose falls from 8 mmol per litre to 4 mmol per litre. What is the fall?**

A 3 mmol/L

B 5 mmol/L

C 4 mmol/L

D 6 mmol/L

Understand It with Pulse | Flag a mistake

15 **Which gland makes insulin?**

A the adrenal gland

B the pituitary

C the pancreas

D the thyroid

Understand It with Pulse | Flag a mistake

16 **What does ethene do?**

A it bends shoots to light

B it ripens fruit

C it starts seed germination

D it makes roots grow faster

Understand It with Pulse | Flag a mistake

17 **Which neurone carries the impulse from the receptor to the CNS?**

A an effector neurone

B a relay neurone

C a motor neurone

D a sensory neurone

Understand It with Pulse | Flag a mistake

18 **What is a risk factor for type 2 diabetes?**

A being underweight

B eating vegetables

C exercising daily

D being overweight

Understand It with Pulse | Flag a mistake

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

A 40 degrees Celsius

B 37 degrees Celsius

C 38 degrees Celsius

D 39 degrees Celsius

Understand It with Pulse | Flag a mistake

20 **What is urea?**

A waste from protein breakdown

B a hormone that controls water

C a sugar stored in the liver

D a salt lost in sweat

Understand It with Pulse | Flag a mistake

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

A sweat evaporates from the skin

B sweat blocks the pores

C sweat carries heat into the blood

D sweat warms the skin surface

Understand It with Pulse | Flag a mistake

22 **What causes type 2 diabetes?**

A cells stop responding to insulin

B the pancreas makes no insulin

C the liver makes too much insulin

D the kidneys remove too much glucose

Understand It with Pulse | Flag a mistake

23 **What is vasodilation?**

- A blood vessels near the skin narrow
- B the heart beats faster
- C sweat glands close
- D blood vessels near the skin widen

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

25

How are gibberellins used to grow seedless fruit?

A they grow fruit without seeds

B they stop the fruit ripening

C they make the fruit smaller

D they kill the seeds inside the fruit

Understand It with Pulse

Flag a mistake

ANSWER KEY

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

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