ENGLAND GCSE BIOLOGY OCR GATEWAY FOUNDATION · UNIT 2 · 25 QUESTIONS

Scaling Up — 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 **Eggs contain protein. Which part of the egg is mostly protein?**

- A the shell
- B the air sac
- C the white
- D the yolk

Understand It with Pulse | Flag a mistake

2 **A sandwich contains bread, cheese and lettuce. Which enzyme starts breaking down the bread in the mouth?**

- A amylase
- B pepsin
- C lipase
- D protease

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3 **Red apples are cut and left in the air. They turn brown because an enzyme in the apple reacts with oxygen. What would slow this browning down?**

- A putting them in a fridge
- B warming them up
- C leaving them in sunlight all day
- D cutting them smaller

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4 **A school lunch tray holds a meal. Why do we need food?**

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

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5 **A thermometer is placed in hot water. What happens to the liquid inside the thermometer?**

A it expands

B it freezes

C it evaporates

D it contracts

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6 **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 vein

B an artery

C a ventricle

D a capillary

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7 **What is the pH of bile?**

A alkaline

B strongly acidic

C acidic

D neutral

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8 **A heart beats 70 times per minute. How many beats is that in one hour?**

A 3600

B 8400

C 4200

D 4800

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9 **What is a stent?**

A a machine that filters the blood

B a replacement heart valve

C a drug that lowers cholesterol

D a tube keeping an artery open

Understand It with Pulse | Flag a mistake

10 **What does a stent do?**

A lowers blood pressure

B replaces a valve

C holds an artery open

D removes a blood clot

Understand It with Pulse | Flag a mistake

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

A an artery

B a capillary

C a vein

D a ventricle

Understand It with Pulse | Flag a mistake

12 **Why do guard cells close the stomata at night?**

A to let oxygen out

B to absorb more minerals

C to reduce water loss

D to stop photosynthesis

Understand It with Pulse | Flag a mistake

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

A to fight infection better

B to carry more haemoglobin

C to divide more quickly in the bone marrow

D to live for longer

Understand It with Pulse | Flag a mistake

14 **A heart beats 80 times per minute and pumps 70 mL per beat. What is the cardiac output in mL per minute?**

A 5600 mL/min

B 6100 mL/min

C 11200 mL/min

D 5100 mL/min

Understand It with Pulse | Flag a mistake

15 **Protease breaks protein down into which substance?**

A sugars

B amino acids

C starch

D fatty acids

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16 **What does amylase break down?**

A cellulose to glucose

B proteins to amino acids

C lipids to fatty acids and glycerol

D starch to sugars

Understand It with Pulse | Flag a mistake

17 **Which test shows that a food contains starch?**

A Benedict's turns brick red

B iodine turns blue-black

C Sudan III turns red

D Biuret turns purple

Understand It with Pulse | Flag a mistake

18 **An enzyme reaction is fastest at 40 degrees Celsius. At 60 degrees Celsius the rate is much lower. Why?**

A the enzyme is denatured

B the enzyme works faster

C the substrate runs out

D the enzyme is digested

Understand It with Pulse | Flag a mistake

19 **Where are villi found?**

A the large intestine

B the small intestine

C the stomach

D the mouth

Understand It with Pulse | Flag a mistake

20 **Why can a correlation between two factors not prove one causes the other?**

A the sample is always too small

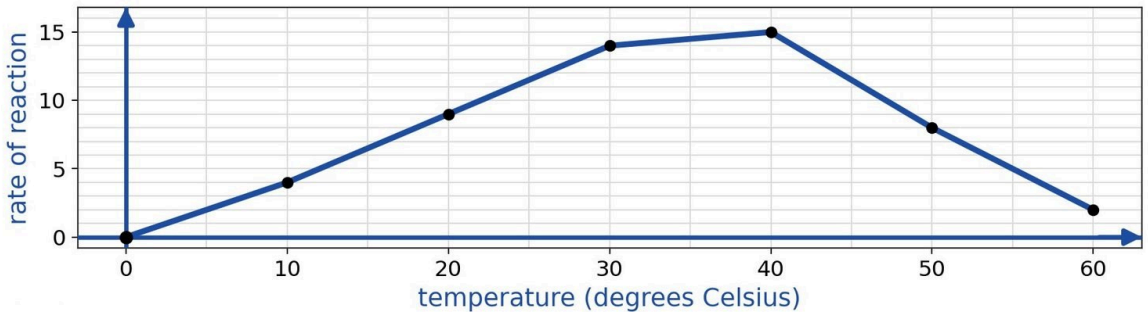
B another factor may cause both

C correlations are always wrong

D scientists cannot measure risk

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21 **The graph shows the rate of an enzyme reaction at different temperatures. At which temperature is the rate highest?**



A 20

B 30

C 40

D 60

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22 **What is transpiration?**

A photosynthesis in leaves

B water uptake by roots

C sugar transport in phloem

D water loss from leaves

Understand It with Pulse | Flag a mistake

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

A 5400

B 4200

C 9600

D 4800

Understand It with Pulse | Flag a mistake

24 **What is the double circulatory system?**

A blood flows through the lungs only

B the heart has two separate chambers

C blood passes through the heart twice

D the body has two hearts working together

Understand It with Pulse | Flag a mistake

25 **Which component of blood helps blood to clot?**

A plasma

B white blood cells

C platelets

D red blood cells

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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