ENGLAND GCSE BIOLOGY AQA HIGHER · UNIT 2 · 25 QUESTIONS

Organisation — 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 yellow school bus stops at a station. What happens to its speed?**

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

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

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

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3 **A school lunch tray holds a bread roll, cheese and an apple. Which food test would show starch in the bread roll?**

- A Biuret turns purple
- B iodine turns blue-black
- C Sudan III turns red
- D Benedict's turns brick red

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

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

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

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6 **A passenger train brakes. What force slows it down?**

- A gravity, pulling it down
- B friction
- C thrust
- D lift

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7 **Which test shows that a food contains protein?**

A iodine turns blue-black

B Biuret turns purple

C Sudan III turns red

D Benedict's turns orange

Understand It with Pulse | Flag a mistake

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

A blood passes through the heart twice

B blood flows through the lungs only

C the heart has two separate chambers

D the body has two hearts working together

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

- A 5900 mL/min
- B 6900 mL/min
- C 6400 mL/min
- D 12800 mL/min

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10 **Which pH is best for most enzymes in the small intestine?**

- A very acidic
- B strongly alkaline
- C strongly acidic
- D slightly alkaline

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

A to fight infection better

B to carry more haemoglobin

C to live for longer

D to divide more quickly in the bone marrow

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12 **What do stomata do?**

A catch light for photosynthesis

B carry food around the plant

C let gases in and out

D absorb water from the soil

Understand It with Pulse | Flag a mistake

13 **Which lifestyle factor increases the risk of type 2 diabetes?**

A drinking plenty of water

B a low sugar diet

C regular exercise

D obesity

Understand It with Pulse | Flag a mistake

14 **What does lipase break down?**

A lipids to fatty acids and glycerol

B proteins to amino acids

C glucose to carbon dioxide and water

D starch to sugars

Understand It with Pulse | Flag a mistake

15 **What do guard cells do?**

A make chlorophyll

B carry sugars down the stem

C open and close the stomata

D absorb water from soil

Understand It with Pulse | Flag a mistake

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

A 4200

B 7200

C 3600

D 3000

Understand It with Pulse | Flag a mistake

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

A the enzyme is denatured

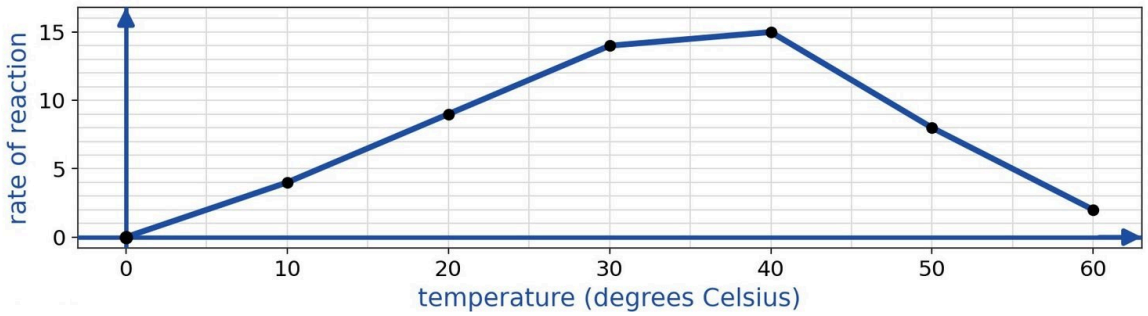
B the enzyme is digested

C the enzyme works faster

D the substrate runs out

Understand It with Pulse | Flag a mistake

18 **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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19 **Lipase breaks lipids down into fatty acids and what else?**

A starch

B amino acids

C glycerol

D sugars

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20 **Where are villi found?**

A the stomach

B the small intestine

C the large intestine

D the mouth

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

A a ventricle

B a vein

C a capillary

D an artery

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

A they widen the arteries directly

B they thin the blood permanently

C they lower blood cholesterol

D they make the heart beat faster

Understand It with Pulse | Flag a mistake

23 **Which of these is a risk factor for heart disease?**

- A exercising daily
- B eating vegetables
- C smoking
- D drinking water

Understand It with Pulse | Flag a mistake

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

- A 11200 mL/min
- B 5600 mL/min
- C 6100 mL/min
- D 5100 mL/min

Understand It with Pulse | Flag a mistake

25 **What does plasma carry?**

A dissolved substances

B oxygen joined to haemoglobin

C white blood cells only

D carbon dioxide only

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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