ENGLAND GCSE BIOLOGY AQA FOUNDATION · 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 school lunch tray holds a bread roll, cheese and an apple. Which food test would show starch in the bread roll?**

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

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

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

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

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

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

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

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

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6 **A passenger train carries people around the country. Which part of the blood is like the train, carrying oxygen around the body?**

- A red blood cells
- B platelets
- C white blood cells
- D plasma

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7

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

A 5400

B 4800

C 4200

D 9600

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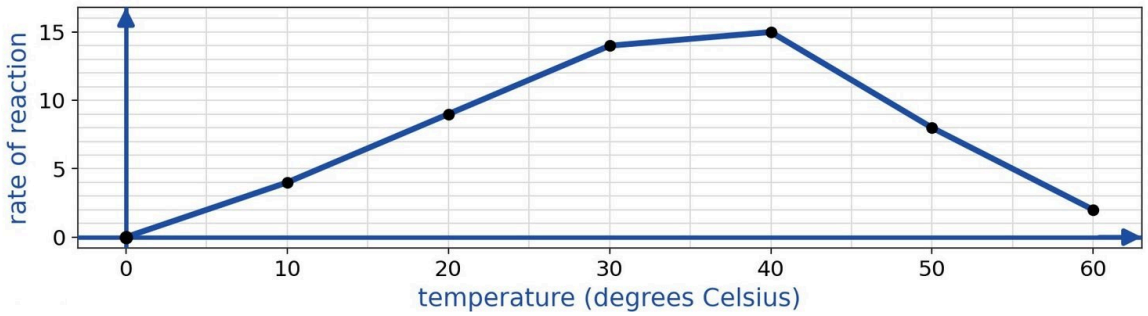
8 **The graph shows the rate of an enzyme reaction at different temperatures. At which temperature is the rate highest?**



A 40

B 30

C 60

D 20

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9 **What do guard cells do?**

A make chlorophyll

B absorb water from soil

C open and close the stomata

D carry sugars down the stem

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10 **A food sample turns blue-black with iodine. What does it contain?**

A protein

B starch

C lipid

D sugar

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11 **What is the lock and key model?**

A enzymes work at any pH

B a substrate fits any enzyme

C an enzyme fits any substrate

D an enzyme fits one substrate

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12 **What is a benign tumour?**

A a tumour that stays in one place

B a tumour caused by a virus

C a tumour that spreads around the body

D a tumour that cannot be treated

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13 **What does a stent do?**

A holds an artery open

B removes a blood clot

C replaces a valve

D lowers blood pressure

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

A to stop photosynthesis

B to reduce water loss

C to let oxygen out

D to absorb more minerals

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15 **An enzyme reaction is fastest at 30 degrees Celsius. At 50 degrees Celsius the rate is much lower. Why?**

A the enzyme works faster

B the enzyme is digested

C the substrate runs out

D the enzyme is denatured

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16 **What happens to an enzyme at a very high temperature?**

A it dissolves in the water

B it changes into a different enzyme

C it works faster and faster

D it denatures and stops working

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17 **A heart beats 80 times per minute and pumps 70 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

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18 **Which blood cells contain haemoglobin?**

- A red blood cells
- B plasma cells
- C white blood cells
- D platelets

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

A a vein

B a capillary

C an artery

D a ventricle

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20 **What is a natural pacemaker?**

A a machine fitted in the chest

B a nerve from the brain

C a valve that opens and closes

D cells that set the heartbeat

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

A iodine turns blue-black

B Biuret turns purple

C Benedict's turns brick red

D Sudan III turns red

Understand It with Pulse | Flag a mistake

22 **Which enzyme breaks down lipids?**

A amylase

B pepsin

C lipase

D protease

Understand It with Pulse | Flag a mistake

23 **What is a malignant tumour?**

- A a tumour that shrinks on its own
- B a tumour that stays in one place
- C a harmless lump of cells
- D a tumour that spreads nearby

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24 **What do stomata do?**

- A let gases in and out
- B catch light for photosynthesis
- C absorb water from the soil
- D carry food around the plant

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25

How does bile help digestion?

A it emulsifies fats into droplets

B it breaks down starch in the mouth

C it carries enzymes to the stomach

D it absorbs digested food into the blood

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ANSWER KEY

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

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