ENGLAND GCSE COMBINED SCIENCE AQA TRILOGY 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 yellow school bus is full of children. What is its mass like?**

- A zero
- B smaller than when empty
- C larger than when empty
- D the same as when empty

Understand It with Pulse | Flag a mistake

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

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

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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 Benedict's turns brick red
- C iodine turns blue-black
- D Sudan III turns red

Understand It with Pulse | Flag a mistake

4 **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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5 **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 cutting them smaller
- D leaving them in sunlight all day

Understand It with Pulse | Flag a mistake

6 **Hardcover books are dropped. What happens to their speed as they fall?**

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

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

A white blood cells

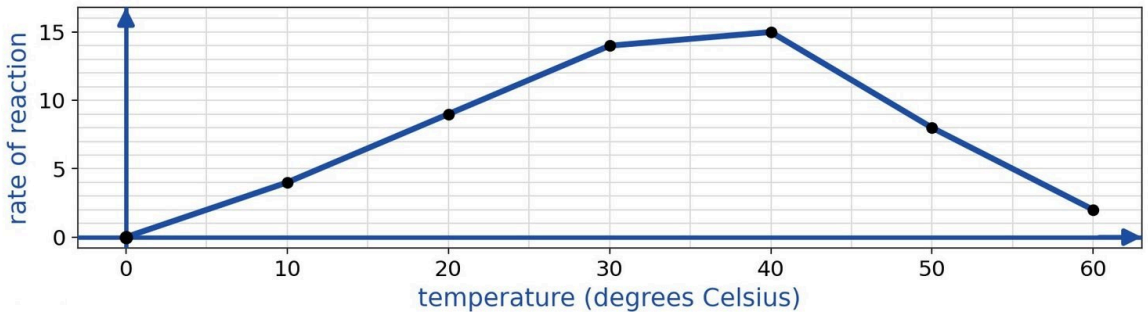
B platelets

C red blood cells

D plasma

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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 30

B 40

C 20

D 60

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

- A 4200
- B 9600
- C 4800
- D 5400

Understand It with Pulse | Flag a mistake

10 **What do guard cells do?**

- A carry sugars down the stem
- B make chlorophyll
- C absorb water from soil
- D open and close the stomata

Understand It with Pulse | Flag a mistake

11 **An enzyme reaction is fastest at 20 degrees Celsius. At 40 degrees Celsius the rate is much lower. Why?**

- A the substrate runs out
- B the enzyme is denatured
- C the enzyme works faster
- D the enzyme is digested

Understand It with Pulse | Flag a mistake

12 **A heart beats 60 times per minute and pumps 70 mL per beat. What is the cardiac output in mL per minute?**

- A 8400 mL/min
- B 4200 mL/min
- C 4700 mL/min
- D 3700 mL/min

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13 **Which side of the heart pumps blood to the lungs?**

A the right side

B both sides equally

C neither side

D the left side

Understand It with Pulse | Flag a mistake

14 **Where are villi found?**

A the small intestine

B the mouth

C the large intestine

D the stomach

Understand It with Pulse | Flag a mistake

15 **Which plant tissue carries sugars around the plant?**

- A xylem
- B cortex
- C pith
- D phloem

Understand It with Pulse | Flag a mistake

16 **Which enzyme breaks down lipids?**

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

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

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

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

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19 **Where is bile made?**

A the stomach

B the pancreas

C the liver

D the gall bladder

Understand It with Pulse | Flag a mistake

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

A 3600

B 3000

C 7200

D 4200

Understand It with Pulse | Flag a mistake

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

A glycerol

B starch

C amino acids

D sugars

Understand It with Pulse | Flag a mistake

22 **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 substrate runs out

C the enzyme is digested

D the enzyme is denatured

Understand It with Pulse | Flag a mistake

23 **Which test shows that a food contains lipid?**

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

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

25 **What is transpiration?**

A water uptake by roots

B water loss from leaves

C photosynthesis in leaves

D sugar transport in phloem

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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