ENGLAND GCSE COMBINED SCIENCE AQA SYNERGY FOUNDATION · UNIT 2 · 25 QUESTIONS

Transport over Larger Distances — 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 passenger train carries people around the country. Which part of the blood is like the train, carrying oxygen around the body?**

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

Understand It with Pulse | Flag a mistake

2 **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 Benedict's turns brick red
- C Sudan III turns red
- D Biuret turns purple

Understand It with Pulse | Flag a mistake

3 **A sandwich is eaten. Which enzyme digests the starch in the bread?**

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

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 an artery
- C a vein
- D a ventricle

Understand It with Pulse | Flag a mistake

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 cutting them smaller
- C leaving them in sunlight all day
- D warming them up

Understand It with Pulse | Flag a mistake

6 **A sunflower makes glucose in its leaves. Which gas does it take in for photosynthesis?**

A carbon dioxide

B hydrogen gas from the air

C oxygen gas from the air

D nitrogen gas from the air

Understand It with Pulse | Flag a mistake

7 **In a reflex, where does the impulse go after the receptor?**

A to the brain first

B straight to the effector

C to a relay neurone

D to a hormone

Understand It with Pulse | Flag a mistake

8 **Why does blood go to the lungs?**

- A to be pumped
- B to be filtered
- C to pick up carbon dioxide
- D to pick up oxygen

Understand It with Pulse | Flag a mistake

9 **Blood is 55 percent plasma. How much plasma is there in 100 mL of blood?**

- A 110 mL
- B 65 mL
- C 55 mL
- D 45 mL

Understand It with Pulse | Flag a mistake

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

A both sides equally

B neither side

C the right side

D the left side

Understand It with Pulse | Flag a mistake

11 **Which is faster, a nerve impulse or a hormone?**

A they are the same speed

B a hormone

C a hormone in the blood

D a nerve impulse

Understand It with Pulse | Flag a mistake

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

A cortex

B pith

C phloem

D xylem

Understand It with Pulse | Flag a mistake

13 **What is the word equation for aerobic respiration?**

A carbon dioxide plus water gives glucose plus oxygen

B glucose plus oxygen gives lactic acid

C glucose plus oxygen gives carbon dioxide plus water

D glucose gives lactic acid

Understand It with Pulse | Flag a mistake

14 **Amylase breaks starch down into which substance?**

A glycerol

B amino acids

C fatty acids

D sugars

Understand It with Pulse | Flag a mistake

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

A white blood cells

B plasma

C red blood cells

D platelets

Understand It with Pulse | Flag a mistake

16 **Which of these uses active transport?**

A carbon dioxide leaving a leaf

B water entering a root

C taking in minerals from soil

D oxygen entering the lungs

Understand It with Pulse | Flag a mistake

17 **Where does aerobic respiration happen?**

A in the nucleus

B in the vacuole

C in the mitochondria

D in the chloroplasts

Understand It with Pulse | Flag a mistake

18 **What is a reflex action?**

A a hormonal response

B a learned behaviour

C a fast automatic response

D a slow thought-out response

Understand It with Pulse | Flag a mistake

19 **Which enzyme breaks down starch?**

A lipase

B catalase

C amylase

D protease

Understand It with Pulse | Flag a mistake

20 **Which blood vessel has the thickest wall?**

A a vein

B a capillary

C an artery

D a ventricle

Understand It with Pulse | Flag a mistake

21 **Blood is 55 percent plasma. How much plasma is there in 200 mL of blood?**

A 110 mL

B 120 mL

C 100 mL

D 220 mL

Understand It with Pulse | Flag a mistake

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

A a capillary

B an artery

C a ventricle

D a vein

Understand It with Pulse | Flag a mistake

23 **Which plant tissue carries water up the plant?**

A phloem

B epidermis

C xylem

D cortex

Understand It with Pulse | Flag a mistake

24 **Which type of respiration releases the most energy per glucose molecule?**

A anaerobic respiration

B aerobic respiration

C photosynthesis

D fermentation

Understand It with Pulse | Flag a mistake

25 **Which blood vessel carries blood back to the heart?**

A a capillary

B an artery

C an atrium

D a vein

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.