ENGLAND GCSE BIOLOGY EDEXCEL FOUNDATION · UNIT 6 · 25 QUESTIONS

Plant Structures and Their Functions — 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 meal with bread, cheese and an apple. Which food group is the bread from?

A fats, for insulation

B carbohydrates

C vitamins, for health

D proteins, for growth

Understand It with Pulse

Flag a mistake

2 **A sunflower is left in bright light. Its leaves photosynthesise faster than in dim light. What else would increase the rate?**

- A more carbon dioxide in the air
- B a lower temperature
- C less chlorophyll in the leaves of the plant
- D less water in the soil

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3 **A cheese pizza contains cheese made from milk. What is milk rich in?**

- A calcium
- B vitamin C
- C fibre
- D iron

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4 **Red apples contain vitamin C. What is vitamin C needed for?**

- A strong bones and teeth
- B making red blood cells
- C good eyesight at night
- D healthy skin and gums

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5 **A sandwich contains bread and cheese. Where does digestion begin?**

- A in the mouth
- B in the stomach
- C in the large intestine
- D in the small intestine

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6 **A forest is cut down. What happens to the carbon stored in the trees?**

A it turns to oxygen

B it is released

C it disappears

D it is stored forever

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7 **What does a plant make from glucose for energy storage in seeds?**

A starch

B cellulose

C protein

D lipids

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8 **What is a limiting factor for photosynthesis?**

A the factor that stops all photosynthesis

B the factor that only affects respiration

C the factor present in the largest amount

D the factor in shortest supply

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9 **A pondweed plant releases 36 bubbles of oxygen in 4 minutes. How many bubbles does it release per minute?**

A 10

B 18

C 8

D 9

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

A to let oxygen out

B to absorb more minerals

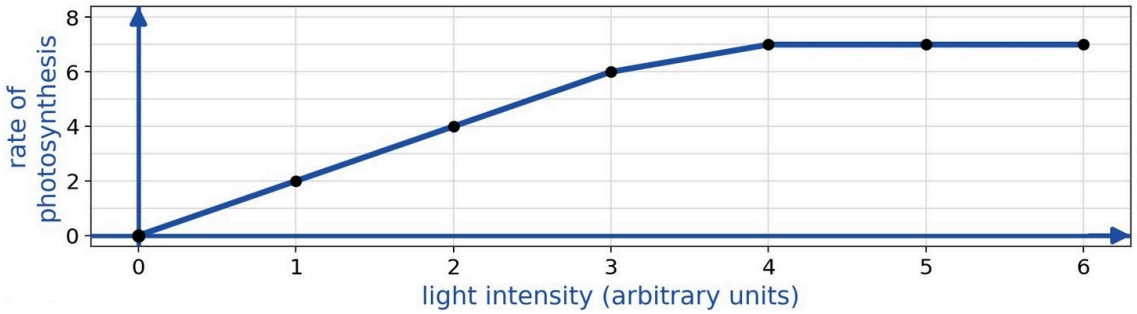
C to stop photosynthesis

D to reduce water loss

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11

The graph shows the rate of photosynthesis at different light intensities. At which light intensity does the rate first reach its maximum?



A 3

B 4

C 2

D 6

Understand It with Pulse

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12 **What is the word equation for photosynthesis?**

A glucose plus water gives carbon dioxide plus oxygen

B carbon dioxide plus water gives glucose plus oxygen

C glucose plus oxygen gives carbon dioxide plus water

D carbon dioxide plus oxygen gives glucose plus water

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13 **What happens to light intensity when the distance from a lamp doubles?**

A it falls to a quarter

B it doubles

C it halves

D it stays exactly the same

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14 **A pondweed plant releases 12 bubbles of oxygen in 6 minutes. How many bubbles does it release per minute?**

A 1

B 3

C 2

D 4

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15 **What is the transpiration stream?**

A minerals moving into root hairs

B food moving down a plant

C water moving up a plant

D water evaporating from soil

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16 **Which part of the plant absorbs light for photosynthesis?**

A the root

B the flower

C the leaf

D the stem

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17 **Why does increasing temperature increase the rate of photosynthesis, up to a point?**

A the plant takes in more water

B chlorophyll absorbs more light

C stomata open wider in the heat

D enzymes work faster

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18 **A pondweed plant releases 12 bubbles of oxygen in 2 minutes. How many bubbles does it release per minute?**

- A 5
- B 7
- C 12
- D 6

Understand It with Pulse | Flag a mistake

19 **Which tissue carries dissolved food around a plant?**

- A cambium
- B phloem
- C epidermis
- D xylem

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20 **How can a grower increase crop yield in a greenhouse?**

A by cooling the greenhouse down

B by keeping the greenhouse dark

C by watering less often

D by adding carbon dioxide

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21 **What do stomata do?**

A let gases in and out

B absorb water from the soil

C catch light for photosynthesis

D carry food around the plant

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22 **Which of these is a use of glucose in a plant?**

A transpiration

B respiration

C pollination

D photosynthesis

Understand It with Pulse | Flag a mistake

23 **A pondweed plant releases 18 bubbles of oxygen in 3 minutes. How many bubbles does it release per minute?**

A 5

B 6

C 7

D 12

Understand It with Pulse | Flag a mistake

24 **A pondweed plant releases 30 bubbles of oxygen in 3 minutes. How many bubbles does it release per minute?**

- A 10
- B 9
- C 11
- D 20

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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