PHOTOSYNTHESIS, RESPIRATION, AND CELL MEMBRANES - PRACTICE TEST | NEW BRUNSWICK BIOLOGY 111-112 · UNIT B · 10 QUESTIONS

Photosynthesis, Respiration, and Cell Membranes, 10-question test — 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 to let Brett know so he can fix it.

1

A red blood cell in salty water will

Question 1

A red blood cell in salty water will

A) swell and burst

B) stay the same

C) gain salt only

D) shrink as water leaves

A swell and burst

B stay the same

C gain salt only

D shrink as water leaves

Understand It with Pulse

Flag a mistake

2 The fluid mosaic model describes the

Question 2

The fluid mosaic model describes the

A) cell membrane

B) nucleus

C) cell wall

D) chloroplast

A cell membrane

B nucleus

C cell wall

D chloroplast

Understand It with Pulse

Flag a mistake

3 Fermentation in yeast produces

Question 3

Fermentation in yeast produces

A) lactic acid only

B) ethanol and carbon dioxide

C) oxygen

D) glucose

- A lactic acid only
- B ethanol and carbon dioxide
- C oxygen
- D glucose

Understand It with Pulse | Flag a mistake

4 A leaf produces 15 bubbles per minute in bright light and 5 bubbles per minute in dim light. The difference, in bubbles per minute, is

Question 4

A leaf produces 15 bubbles per minute in bright light and 5 bubbles per minute in dim light. The difference, in bubbles per minute, is

ANSWER

Understand It with Pulse | Flag a mistake

5

A plant produces 70 oxygen bubbles in 7 minutes. Its rate, in bubbles per minute, is

Question 5

A plant produces 70 oxygen bubbles in 7 minutes. Its rate, in bubbles per minute, is

ANSWER

Understand It with Pulse | Flag a mistake

6

A plant produces 120 oxygen bubbles in 6 minutes. Its rate, in bubbles per minute, is

Question 6

A plant produces 120 oxygen bubbles in 6 minutes. Its rate, in bubbles per minute, is

ANSWER

Understand It with Pulse | Flag a mistake

7

A leaf produces 24 bubbles per minute in bright light and 8 bubbles per minute in dim light. The difference, in bubbles per minute, is

Question 7

A leaf produces 24 bubbles per minute in bright light and 8 bubbles per minute in dim light. The difference, in bubbles per minute, is

ANSWER

Understand It with Pulse | Flag a mistake

8

A yeast culture produces 90 units of carbon dioxide at the start and 150 units after warming. The increase, in units, is

Question 8

A yeast culture produces 90 units of carbon dioxide at the start and 150 units after warming. The increase, in units, is

ANSWER

Understand It with Pulse | Flag a mistake

9

A plant produces 55 oxygen bubbles in 5 minutes. Its rate, in bubbles per minute, is

Question 9

A plant produces 55 oxygen bubbles in 5 minutes. Its rate, in bubbles per minute, is

ANSWER

Understand It with Pulse | Flag a mistake

10

A leaf produces 18 bubbles per minute in bright light and 3 bubbles per minute in dim light. The difference, in bubbles per minute, is

Question 10

A leaf produces 18 bubbles per minute in bright light and 3 bubbles per minute in dim light. The difference, in bubbles per minute, is

ANSWER

Understand It with Pulse

Flag a mistake

ANSWER KEY

1. D
2. A
3. B
4. 10
5. 10
6. 20
7. 16
8. 60
9. 11
10. 15

© 2026 Brett Robbins. All Rights Reserved.