NEWFOUNDLAND AND LABRADOR BIOLOGY 2201 · UNIT A · 10 QUESTIONS

Matter and Energy for Life — 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 **Think about the property. Aerobic respiration of one glucose molecule yields about how many ATP?**

- A 2
- B 36
- C 4
- D 100

Understand It with Pulse | Flag a mistake

2 **Recall the property. Extreme pH can change an enzyme by**

- A making it work faster always
- B turning it into a substrate
- C denaturing it
- D removing its atoms

Understand It with Pulse | Flag a mistake

3 **Apply the property. Active transport differs from diffusion because it**

A never uses a membrane

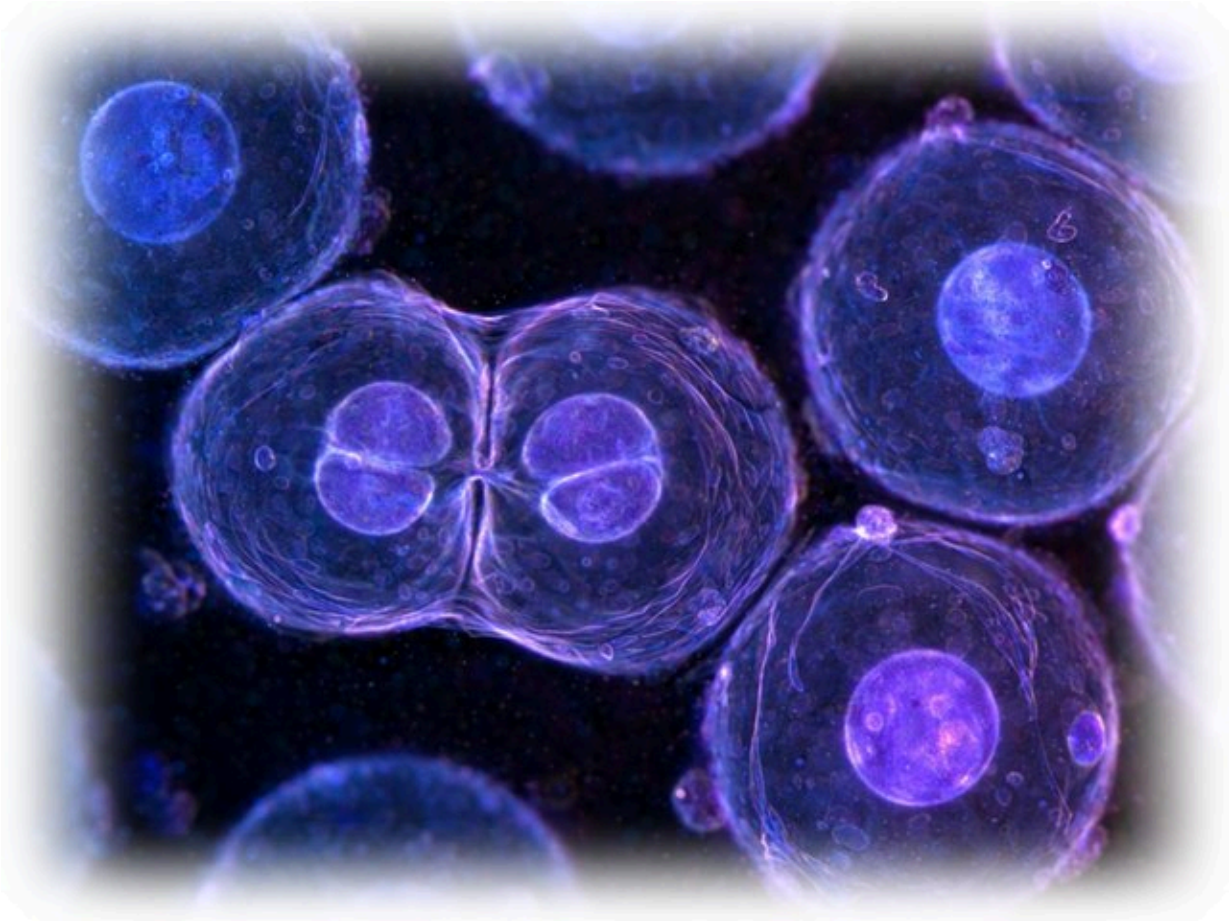
B only moves water

C always moves down a gradient

D requires energy and can move against a gradient

Understand It with Pulse | Flag a mistake

4 **Consider the property in general. The main pigment that absorbs light in photosynthesis is**



A chlorophyll

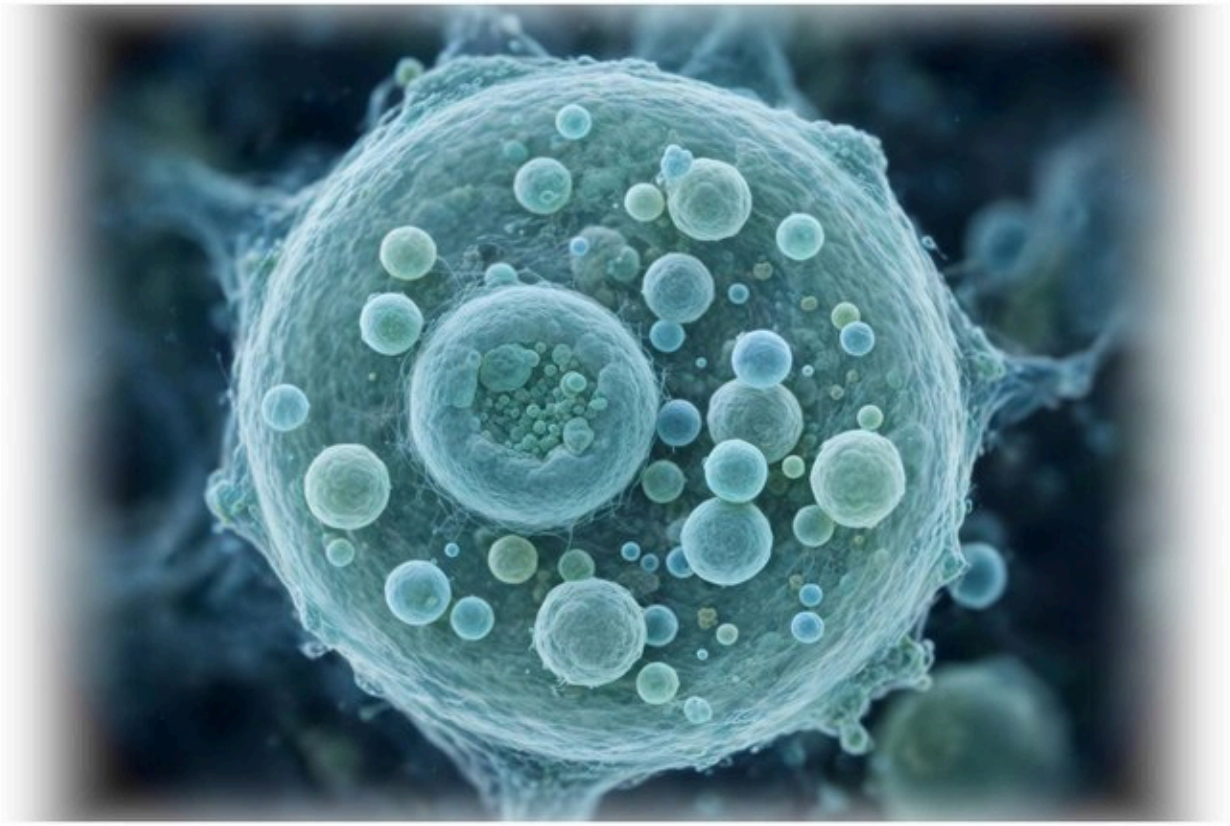
B haemoglobin

C melanin

D carotene only

Understand It with Pulse | Flag a mistake

5 **Review the property. The organelle where most ATP is produced in a eukaryotic cell is the**



A ribosome

B mitochondrion

C nucleus

D Golgi body

Understand It with Pulse | Flag a mistake

6 **Think about the statement. Photosynthesis in plants mainly takes place in the**

A mitochondrion

B vacuole

C chloroplast

D ribosome

Understand It with Pulse | Flag a mistake

7 **Recall the statement. Hydrolysis of ATP to ADP releases**

A glucose only

B oxygen only

C carbon dioxide only

D energy for cell work

Understand It with Pulse | Flag a mistake

8 **Apply the statement. The reactants of photosynthesis are**

A carbon dioxide and water

B glucose and oxygen

C oxygen and water

D glucose and carbon dioxide

Understand It with Pulse | Flag a mistake

9 **Consider the statement in general. The products of aerobic cellular respiration are**

A glucose and oxygen

B carbon dioxide, water, and ATP

C lactic acid and ATP

D oxygen and glucose

Understand It with Pulse | Flag a mistake

10 **Review the statement. The monomer or building block of DNA is**

A amino acid

B glucose

C nucleotide

D fatty acid

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. B
2. C
3. D
4. A
5. B
6. C
7. D
8. A
9. B
10. C

© 2026 Brett Robbins. All Rights Reserved.