NOVA SCOTIA BIOLOGY 11 · UNIT A · 5 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 **A scuba diver swims underwater with a silver oxygen tank. A leaf sample produces 11 units of oxygen per hour. Over 5 hours the oxygen produced, in units, is**



ANSWER

Understand It with Pulse | Flag a mistake

2 **Facilitated diffusion uses**

A cell walls only

B chlorophyll

C ATP always

D membrane proteins

Understand It with Pulse | Flag a mistake

3 **A plant makes 8 molecules of glucose in a test. Each glucose stores 6 units of energy in the model used here. The total energy stored, in units, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A cell breaks down 3 glucose molecules. Each glucose yields 2 ATP in this simplified model. The total ATP made is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A hypertonic solution around an animal cell causes it to**

A shrink

B burst

C stay the same

D divide

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 55
2. D
3. 48
4. 6
5. A

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