NOVA SCOTIA BIOLOGY 11 · UNIT A

Matter and Energy for Life — Practice Test

Nova Scotia Biology 11 • 10 questions

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 leaf sample produces 6 units of oxygen per hour. Over 7 hours the oxygen produced, in units, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A cell uses 8 ATP for one task and repeats the task 6 times. The ATP used is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A plant makes 4 molecules of glucose in a test. Each glucose stores 15 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 solution has 40 particles outside a cell and 10 inside. The difference in particles is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A cell breaks down 5 glucose molecules. Each glucose yields 2 ATP in this simplified model. The total ATP made is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **A leaf sample produces 12 units of oxygen per hour. Over 3 hours the oxygen produced, in units, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **The products of cellular respiration are**

A glucose and oxygen

B carbon dioxide and water

C oxygen and starch

D water and light

Understand It with Pulse | Flag a mistake

8 **A plant stores 90 units of energy as starch in 3 equal parts. Each part, in units, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **A plant makes 9 molecules of glucose in a test. Each glucose stores 4 units of energy in the model used here. The total energy stored, in units, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **Starch is a storage form of energy in**

A animals only

B bacteria only

C plants

D fungi only

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	42	**5.**	10	**9.**	36
2.	48	**6.**	36	**10.**	C
3.	60	**7.**	B		
4.	30	**8.**	30		

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