ALBERTA BIOLOGY 20 · UNIT 3 · 5 QUESTIONS

Photosynthesis and Cellular Respiration — 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 **Communications satellite with solar panels in orbit above Earth. The original source of energy for nearly all life on Earth is**



A heat from the core of the Earth

B energy in sunlight

C oxygen in the atmosphere

D glucose absorbed from the soil

Understand It with Pulse | Flag a mistake

2 **Carbon dioxide enters a leaf mainly through the**

A roots

B waxy cuticle

C stomata

D xylem vessels

Understand It with Pulse | Flag a mistake

3 **The main role of chlorophyll in photosynthesis is to**

A split water molecules

B absorb light energy

C store glucose as starch

D release carbon dioxide

Understand It with Pulse | Flag a mistake

4 **When human muscle cells cannot get enough oxygen, they convert pyruvate into**

A lactic acid

B ethanol

C acetyl-CoA

D carbon dioxide

Understand It with Pulse | Flag a mistake

5 **The graph shows the number of glucose molecules built as carbon dioxide molecules are fixed by a leaf. The number of glucose molecules built after fixing 30 carbon dioxide molecules is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. B
2. C
3. B
4. A
5. 5

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