ARIZONA BIOLOGY · UNIT 1 · 5 QUESTIONS

Cells and Molecular Biology — 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 cell with a true nucleus and membrane bound organelles is classified as

- A Eukaryotic
- B Prokaryotic
- C Viral
- D Bacterial only

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Flag a mistake

2 **The cytoskeleton is a network of fibers that gives a cell shape and helps move materials inside the**

A Cell

B Cell wall

C Chloroplast

D Nucleus

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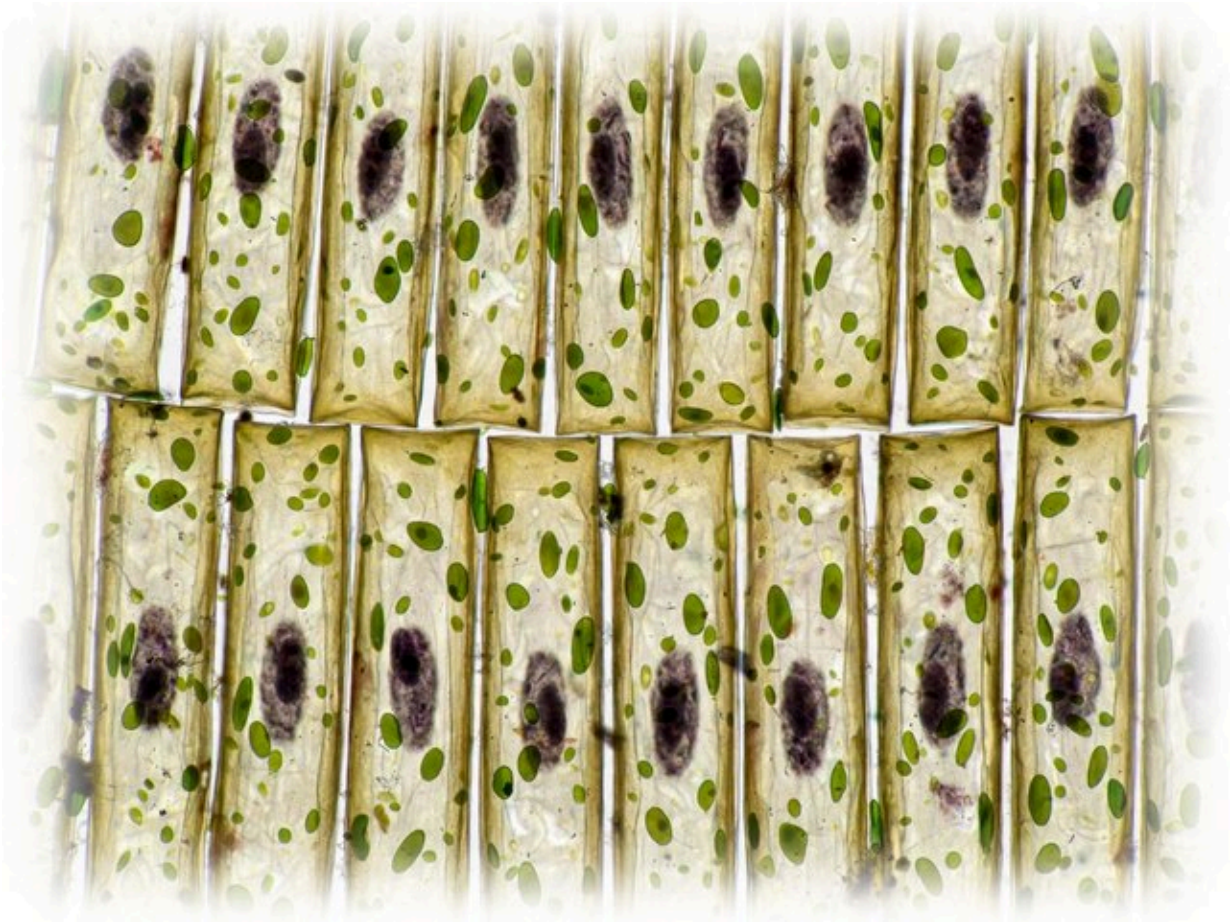
3 **Plant cells under a microscope, rectangular cells in rows with green chloroplasts and dark nuclei. Chlorophyll is found in chloroplasts and is needed for a plant cell to carry out**



A Fermentation

B Translation

C Respiration

D Photosynthesis

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4 **Mitochondria release most of a cell's usable energy by breaking down glucose in the presence of**

- A Carbon monoxide
- B Oxygen
- C Nitrogen
- D Sunlight

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5 **A channel protein in a plasma membrane helps specific substances cross by**

- A Facilitated diffusion
- B Endocytosis only
- C Active transport only
- D Osmosis of lipids

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ANSWER KEY

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

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