ALBERTA SCIENCE 10 · UNIT 3 · 5 QUESTIONS

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 **The smallest structural and functional unit of a living organism is a**

- A Organelle
- B Tissue
- C Cell
- D Organ system

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2 **Which organelle is the main site of protein production in a cell?**

- A Ribosome
- B Vacuole
- C Cell wall
- D Chloroplast

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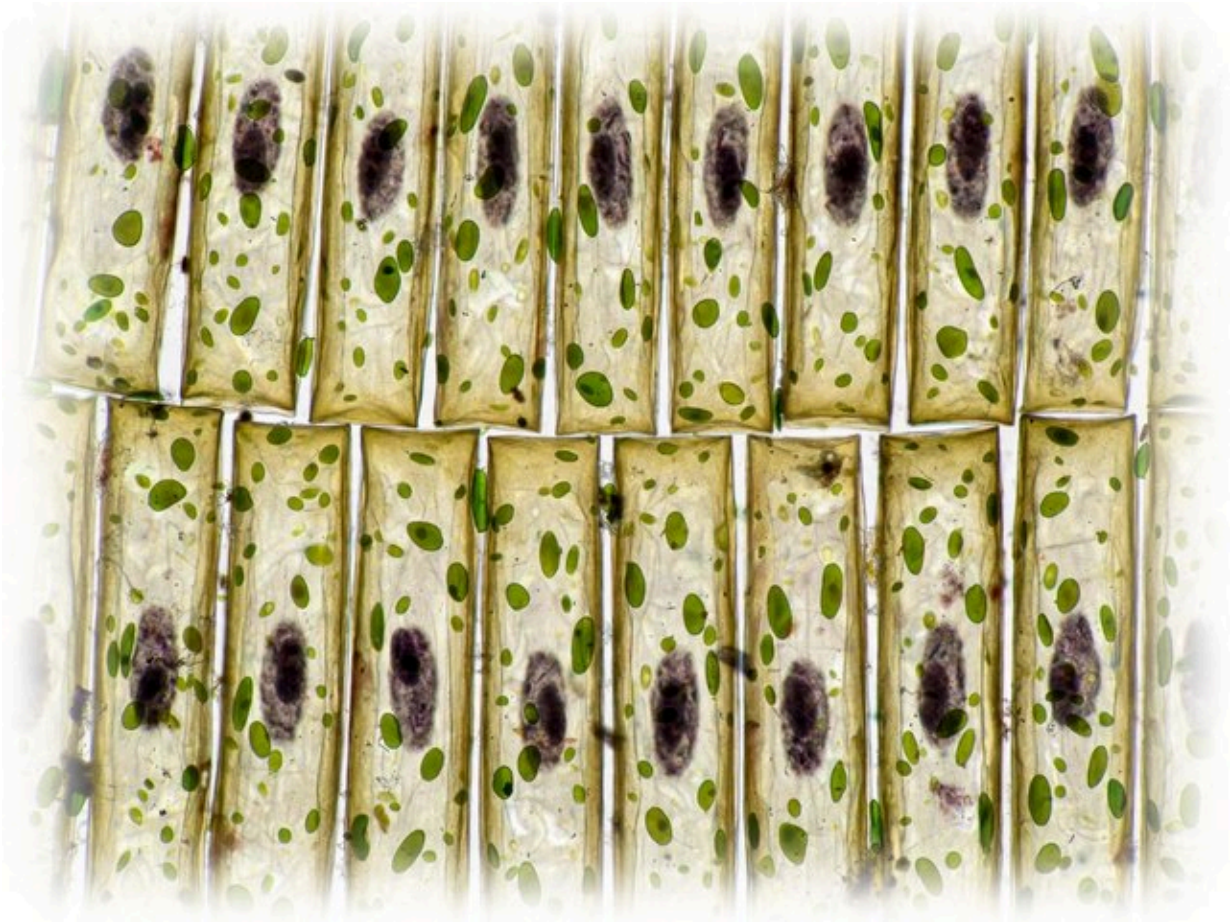
3 **Plant cells under a microscope, rectangular cells in rows with green chloroplasts and dark nuclei. In many mature plant cells, the large central vacuole is important because it**



A Stores the genetic material

B Stores water and helps the cell maintain firmness

C Produces most of the cells ATP

D Controls protein synthesis

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4 **Unlike a plant cell, a typical animal cell has**

- **A** A cell wall but no cell membrane
- **B** Neither a cell wall nor a cell membrane
- **C** Both a cell wall and a cell membrane
- **D** A cell membrane but no cell wall

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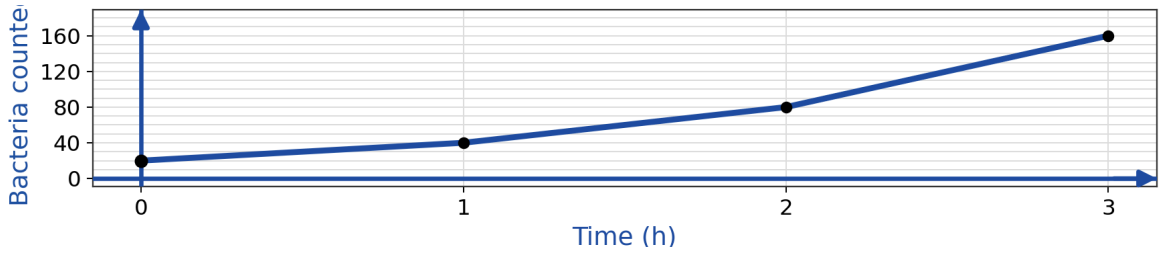
5 **The graph shows the number of bacteria in a culture over time. The number of bacteria after 2 h is**



- **A** 40
- **B** 80
- **C** 120
- **D** 160

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ANSWER KEY

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

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