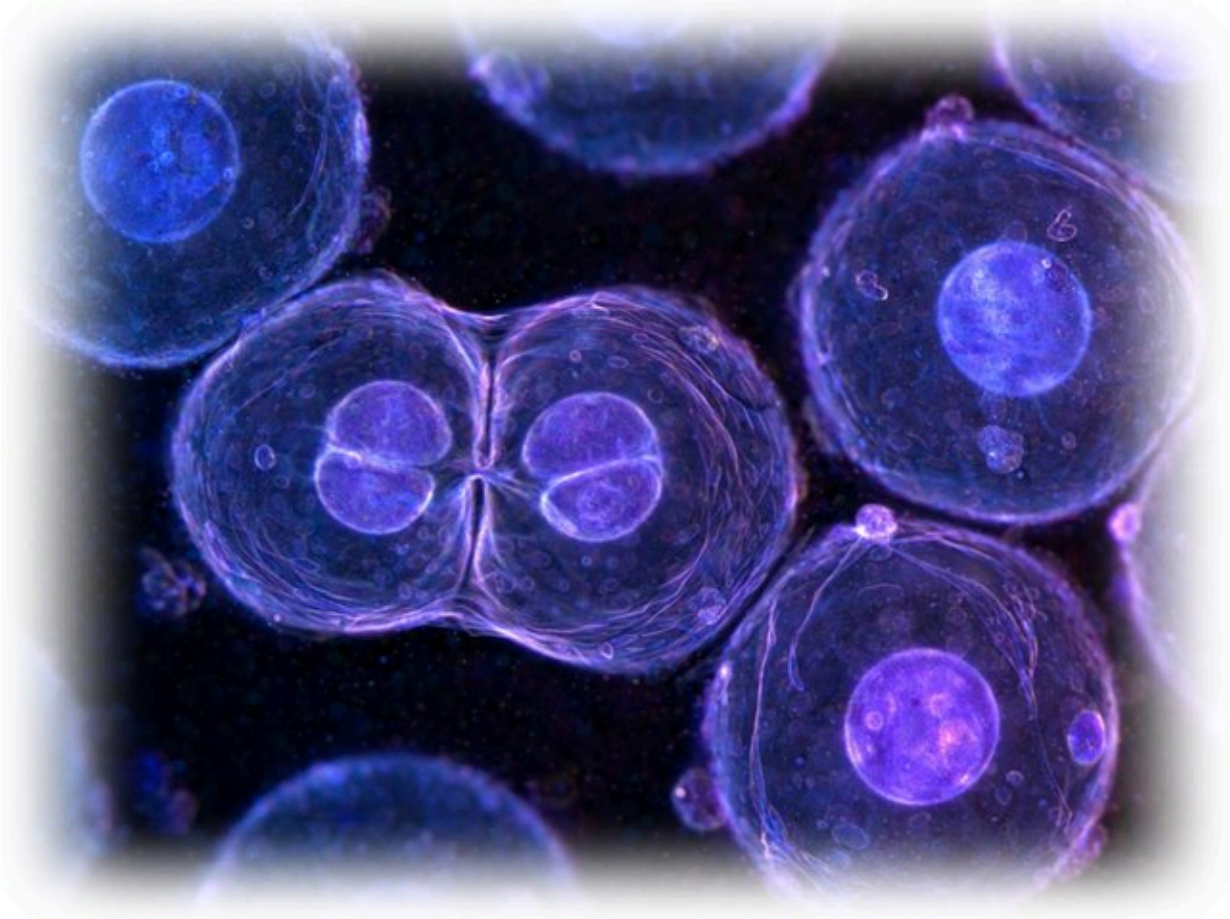
Cells and Molecular Biology, 5-question test — Practice Test

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 microscope view shows cells dividing, round cells with visible nuclei in blue and purple tones. The network of protein fibers that gives a cell its shape and helps it move is the**



A Cytoskeleton

B Cell wall

C Nucleolus

D Chloroplast

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2 **Rough endoplasmic reticulum is covered with ribosomes and helps make**

Question 2

Rough endoplasmic reticulum is covered with ribosomes and helps make

A) Lipids

B) Proteins

C) DNA

D) ATP

A Lipids

B Proteins

C DNA

D ATP

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3 Facilitated diffusion differs from simple diffusion because it uses

Question 3

Facilitated diffusion differs from simple diffusion because it uses

A) ATP energy

B) Light energy

C) Membrane proteins

D) Heat energy

- **A** ATP energy
- **B** Light energy
- **C** Membrane proteins
- **D** Heat energy

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4 An animal cell placed in a hypertonic solution will most likely

Question 4

An animal cell placed in a hypertonic solution will most likely

A) Swell and burst

B) Stay the same size

C) Divide rapidly

D) Shrivel as water leaves

- **A** Swell and burst
- **B** Stay the same size
- **C** Divide rapidly
- **D** Shrivel as water leaves

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5 Endocytosis is a process by which a cell

Question 5

Endocytosis is a process by which a cell

A) Takes in material by folding its membrane inward

B) Releases material in vesicles

C) Divides its nucleus in two

D) Makes ATP from glucose

- **A** Takes in material by folding its membrane inward
- **B** Releases material in vesicles
- **C** Divides its nucleus in two
- **D** Makes ATP from glucose

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ANSWER KEY

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

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