ALASKA BIOLOGY · UNIT 1 · 10 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 so it can be fixed.

1 **As a cell grows larger its surface area to volume ratio gets**

- A Larger
- B Smaller
- C Unchanged
- D Doubled each minute

Understand It with Pulse | Flag a mistake

2 **Water moves into a red blood cell placed in pure water because the water concentration is higher**

- A Inside the cell
- B In the nucleus only
- C Outside the cell
- D In the ribosomes

Understand It with Pulse | Flag a mistake

3 **A cell releases a hormone by fusing a vesicle with its plasma membrane This process is**

- A Diffusion
- B Osmosis
- C Endocytosis
- D Exocytosis

Understand It with Pulse | Flag a mistake

4 **ATP differs from ADP because ATP has**

- A One more phosphate group
- B One fewer phosphate group
- C No phosphate groups
- D Two extra sugars

Understand It with Pulse | Flag a mistake

5 **Chlorophyll in a chloroplast mainly absorbs light energy for**

A Respiration

B Photosynthesis

C Translation

D Replication

Understand It with Pulse | Flag a mistake

6 **The folds of the inner mitochondrial membrane increase the area available for**

A Storing DNA

B Storing water

C Making ATP

D Breaking down light

Understand It with Pulse | Flag a mistake

7 **Cancer is linked to the cell cycle because cancer cells divide**

A Only when told to stop

B Only once in a lifetime

C Without copying DNA

D Without normal controls

Understand It with Pulse | Flag a mistake

8 **During development unspecialized cells become specialized for a particular job This process is called**

A Differentiation

B Replication

C Translation

D Fermentation

Understand It with Pulse | Flag a mistake

9 **A bacterial cell has no nucleus and no membrane bound organelles It is therefore classified as**

- A Eukaryotic
- B Prokaryotic
- C Multicellular
- D Photosynthetic only

Understand It with Pulse | Flag a mistake

10 **One cell divides by mitosis three times in a row with no cells dying How many cells result**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	B	**5.**	B	**9.**	B
2.	C	**6.**	C	**10.**	8
3.	D	**7.**	D		
4.	A	**8.**	A		

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