WEST VIRGINIA BIOLOGY · UNIT 1

# Cells and Molecular Biology — Practice Test

**West Virginia Biology • 10 questions**

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 main component of a cell membrane is a**

- A Protein sheet
- B Phospholipid bilayer
- C Cellulose wall
- D Starch layer

Understand It with Pulse | Flag a mistake

2 **When ATP loses one phosphate group it becomes ADP and releases**

A Glucose

B Oxygen

C Energy

D Carbon dioxide

Understand It with Pulse | Flag a mistake

3 **Joining small molecules into a larger molecule by removing water is called**

A Hydrolysis

B Diffusion

C Osmosis

D Dehydration synthesis

Understand It with Pulse | Flag a mistake

4 **Breaking a large molecule apart by adding water is called**

A Hydrolysis

B Synthesis

C Replication

D Translation

Understand It with Pulse | Flag a mistake

5 **Unlike RNA DNA normally has which base instead of uracil**

A Adenine

B Thymine

C Guanine

D Cytosine

Understand It with Pulse | Flag a mistake

6 **In a eukaryotic cell transcription takes place in the**

A Ribosome

B Lysosome

C Nucleus

D Golgi apparatus

Understand It with Pulse | Flag a mistake

7 **After mitosis each daughter cell normally has the same number of chromosomes as the**

A Gamete

B Egg cell

C Sperm cell

D Parent cell

Understand It with Pulse | Flag a mistake

8 **A human body cell has 46 chromosomes A human gamete formed by meiosis normally has**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **A DNA sample is 30 percent adenine Because adenine pairs with thymine what percent is thymine**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **Which cell type has a cell wall made of cellulose**

A Animal cell

B Plant cell

C Red blood cell

D Nerve cell

Understand It with Pulse | Flag a mistake

## ANSWER KEY

| | | | | | |
|---|---|---|---|---|---|
| **1.** | B | **5.** | B | **9.** | 30 |
| **2.** | C | **6.** | C | **10.** | B |
| **3.** | D | **7.** | D | | |
| **4.** | A | **8.** | 23 | | |

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