

## QUIZEN – Fundamental unit of Life(9B01)

<b>Learning Level 1</b>	<b>Learning Level 2</b>	<b>Learning Level 3</b>
Q - Remembering (knowledge-based questions) U - Understanding (comprehension-based questions)	I - Applying (application-based questions) Z - Analyzing (analysis-based questions)	E - Evaluating (evaluation-based questions) N - Creating (creation-based questions)

### Learning Level 1

1. What is the fundamental unit of life?
2. Name the cell organelle that is called the powerhouse of the cell.
3. Which cell organelle is responsible for storing food, water, and waste materials?
4. What is the function of the Golgi apparatus in the cell?
5. Name the cell organelle that is responsible for the synthesis of proteins.

### Learning Level 2

6. Explain the process of photosynthesis in chloroplasts.
7. How do mitochondria produce ATP?
8. Compare and contrast plant and animal cells.

9. Describe the structure and function of lysosomes.
10. Explain the role of ribosomes in protein synthesis.

### Learning Level 3

11. Evaluate the importance of cell division in the growth and repair of tissues.
12. Create a flowchart showing the pathway of a protein from its synthesis in the ribosome to its secretion outside the cell.
13. Evaluate the impact of genetic mutations on cellular processes.
14. Create a model of a plant cell showing all its organelles and label them.
15. Analyze the importance of osmosis in maintaining cell shape and function.



