

DPP -9S51

CELL : The fundamental unit of life

1. Compare and contrast the structure and functions of prokaryotic and eukaryotic cells. Highlight at least three major differences and provide examples of organisms that belong to each group.
2. Discuss the discovery of the cell. Who were the key scientists involved, and what were their contributions?
3. Compare and contrast the structure and function of nucleus and nucleoid in cells.
4. Describe the process and significance of observing an onion peel under a microscope. What can you infer about plant cells from this observation?
5. Fill in the blanks:-
 - The _____ is the basic structural and functional unit of all living organisms.
 - Prokaryotic cells lack a true _____ and membrane-bound organelles.
 - The cell theory states that all living organisms are composed of one or more cells, cells are the basic units of structure and function in organisms, and _____.
 - The discovery of cells was made possible through advancements in _____.
 - Plant cells have a rigid cell wall made of _____ that provides structural support and protection.

For more Queries

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