Biology: Preliminary Module 1: Cells the Basis of Life

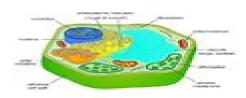
Inquiry question: What distinguishes one cell from another?

1. CELL

Cell Theory:

All cells are the basic theory of the structure and functional units of life formed by pre-existing cells by cell division.

- 1. All things are made of cells
- 2. The cell is the smallest unit of life
- 3. All new cells come from preexisting cells



Types of Cells

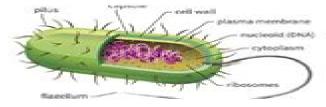
Eukaryotic cells - Size 10 - 100mm

Are more complex and contain an array of membrane bound organelles

- Membrane bound nucleus
- Paired chromosomes
- Could be single celled or multi celled

Prokaryotic cells - 2.5mm

- Are more simple, and do not have membrane bound organelles
- No nucleus
- Bacteria
- Only unicellular



Bacteria

- > Exists only as unicellular organism
- Some photosynthesis or chemosynthesis; others absorb it from outside cell
- Contain a cell wall
- Bacteria and cyanobacteria e.g. E, coli, staphylococcus

Archaea

- -> Only exists as unicellular and reproduce by asexual reproduction
- Prokaryotic and have cell wall

Fungi

- Exists mostly as multicellular organisms and reproduce sexually or asexually
- Absorb food from their surrounding

Preliminary Biology Revision Questions

CH Cherryholmes

Preliminary Biology Revision Questions:

This book delves into Preliminary Biology Revision Questions. Preliminary Biology Revision Questions is a crucial topic that must be grasped by everyone, ranging from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Preliminary Biology Revision Questions, encompassing both the fundamentals and more intricate discussions.

- 1. The book is structured into several chapters, namely:
 - Chapter 1: Introduction to Preliminary Biology Revision Questions
 - Chapter 2: Essential Elements of Preliminary Biology Revision Questions
 - Chapter 3: Preliminary Biology Revision Questions in Everyday Life
 - Chapter 4: Preliminary Biology Revision Questions in Specific Contexts
 - ∘ Chapter 5: Conclusion
- 2. In chapter 1, this book will provide an overview of Preliminary Biology Revision Questions. This chapter will explore what Preliminary Biology Revision Questions is, why Preliminary Biology Revision Questions is vital, and how to effectively learn about Preliminary Biology Revision Questions.
- 3. In chapter 2, this book will delve into the foundational concepts of Preliminary Biology Revision Questions. The second chapter will elucidate the essential principles that must be understood to grasp Preliminary Biology Revision Questions in its entirety.
- 4. In chapter 3, the author will examine the practical applications of Preliminary Biology Revision Questions in daily life. The third chapter will showcase real-world examples of how Preliminary Biology Revision Questions can be effectively utilized in everyday scenarios.
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- 6. In chapter 5, this book will draw a conclusion about Preliminary Biology Revision Questions. This chapter will summarize the key points that have been discussed throughout the book.
 - This book is crafted in an easy-to-understand language and is complemented by engaging illustrations. This book is highly recommended for anyone seeking to gain a comprehensive understanding of Preliminary Biology Revision Questions.

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