# **Unit 2 study Guide**

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⊙ Class	Unit 2 : Cell structure and Function
☑ Reviewed	

Topic 2.1 -2.2 (Cell Structure and Function )

#### Sub-cellular components universal to all cells

- All living cells contain a genome and ribosomes, reflecting the common ancestry of all known life.
- Ribosomes synthesize protein according to mRNA sequence and the instructions that are encoded in that mRNA sequence originate from the genome of the cell.

#### Structure and Function: Ribosomes

- · Two subunits that are NOT membrane enclosed
- · Made of rRNA ( ribosomal RNA )and proteins.
- They synthesize protein according to mRNA sequence.

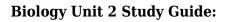


#### Structure and Function: Endoplasmic Reticulum

- A network of membrane tubes within the cytoplasm of eukaryotic cells
- Two types
  - Rough ER:
    - Has ribosome attached to its membrane
    - Compartmentalizes the cell

# **Biology Unit 2 Study Guide**

**M** Walker



This book delves into Biology Unit 2 Study Guide. Biology Unit 2 Study Guide is an essential topic that needs to be grasped by everyone, from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Biology Unit 2 Study Guide, encompassing both the fundamentals and more intricate discussions.

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

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