

## Cell Structure & Function

all cells are made of **smaller structures called**

**organelles** - tiny structures that perform

**specific functions** in your body. Each organ is made of

**different types of cells** that have different functions.

Cells are made of **organelles** that perform different functions.

## Prokaryotic vs. Eukaryotic Cells

**Prokaryotic**

- **NO** nucleus or other organelles
- **Small** - **NO** need for **many** organelles
- **One** **cell** **type**
- **Simple**

**Eukaryotic**

- **Large** - **need** **many** organelles to **perform** **different** **functions**
- **Many** **cell** **types** **perform** **different** **functions**

**Animal** **cells** - **Cell** **nucleus**, **mitochondria**, **cytoplasm**, **ER**, **lysosomes**

## Plant vs. Animal Cells

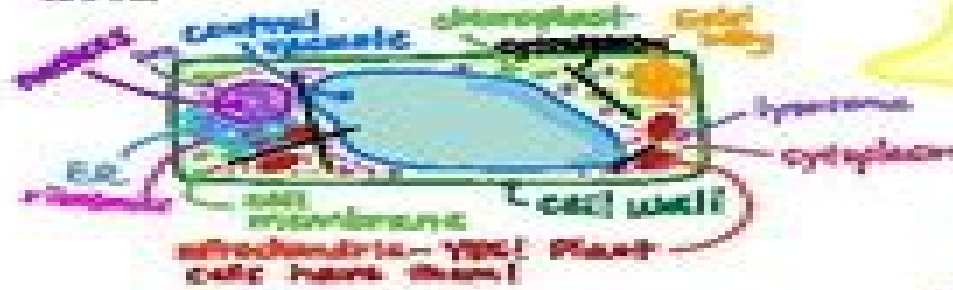
**Plant**

**Animal**

- **Large** - **need** **many** organelles to **perform** **different** **functions**
- **Many** **cell** **types** **perform** **different** **functions**

**Plant**

- **Large** - **need** **many** organelles to **perform** **different** **functions**
- **Many** **cell** **types** **perform** **different** **functions**



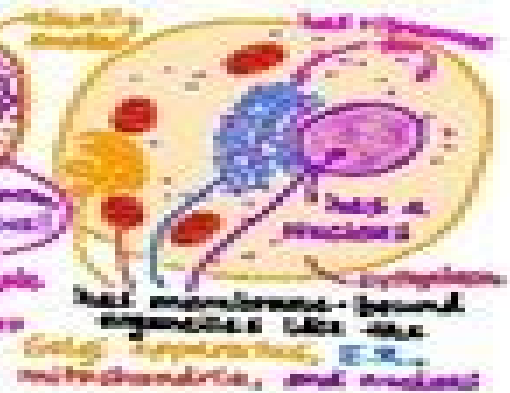
**mitochondria - YES! Plant cells have them!**

Plants have cell walls that add protection and support. Animal cells **DO NOT**, making them vulnerable to bursting! But, they are more flexible.

## PROKARYOTIC



## EUKARYOTIC



What are some differences that you notice between the two?

## ANIMAL CELL



# Cell Membrane And Transport Study Guide

**Yicheng Fang**



## **Cell Membrane And Transport Study Guide:**

The book delves into Cell Membrane And Transport Study Guide. Cell Membrane And Transport Study Guide is a vital 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 Cell Membrane And Transport Study Guide, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:
    - Chapter 1: Introduction to Cell Membrane And Transport Study Guide
    - Chapter 2: Essential Elements of Cell Membrane And Transport Study Guide
    - Chapter 3: Cell Membrane And Transport Study Guide in Everyday Life
    - Chapter 4: Cell Membrane And Transport Study Guide in Specific Contexts
    - Chapter 5: Conclusion
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  3. In chapter 2, this book will delve into the foundational concepts of Cell Membrane And Transport Study Guide. The second chapter will elucidate the essential principles that must be understood to grasp Cell Membrane And Transport Study Guide in its entirety.
  4. In chapter 3, this book will examine the practical applications of Cell Membrane And Transport Study Guide in daily life. This chapter will showcase real-world examples of how Cell Membrane And Transport Study Guide can be effectively utilized in everyday scenarios.
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  6. In chapter 5, this book will draw a conclusion about Cell Membrane And Transport 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. This book is highly recommended for anyone seeking to gain a comprehensive understanding of Cell Membrane And Transport Study Guide.

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