

**Chapter 7**

**Cell Structure and Function**

**Section 7-1 Life Is Cellular (pages 169-172)**

*This section explains what the cell theory is. It also describes the characteristics of two categories of cells, prokaryotes and eukaryotes.*

**Introduction (page 169)**

1. What is the structure that makes up every living thing? The cell

**The Cell Theory (pages 169-170)**

2. What was Anton van Leeuwenhoek the first to see in the 1600s? He was the first person to see tiny living organisms in a drop of water.
3. What did a thin slice of cork seem like to Robert Hooke when he observed it through a microscope? The cork seemed to be made of tiny chambers.
4. What did the German botanist Matthias Schleiden conclude? He concluded that all plants are made of cells.
5. What did the German scientist Theodor Schwann conclude? He concluded that animals were also made of cells.
6. How did Rudolph Virchow summarize his years of work? He stated that where a cell exists, there must have been a preexisting cell.
7. What are the three concepts that make up the cell theory?
- All living things are composed of cells.
  - Cells are the basic units of structure and function in living things.
  - New cells are produced from existing cells.

**Basic Cell Structures (page 171)**

8. Complete the table about structures that are common to most cells.

**COMMON CELL STRUCTURES**

Structure	Description
Cell membrane	<u>A thin, flexible barrier around the cell</u>
Cell wall	<u>A strong layer around the cell membrane in many cells</u>
Nucleus	<u>A large structure that contains the cell's genetic material and controls the cell's activities</u>
Cytoplasm	<u>The material inside a cell, not including the nucleus</u>

# Chapter 7 Cell Structure And Function Worksheet Answers

**Albert Kaskel**



## **Chapter 7 Cell Structure And Function Worksheet Answers:**

Chapter 7 Cell Structure And Function Worksheet Answers: Bestsellers in 2023 The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous compelling novels captivating the hearts of readers worldwide. Lets delve into the realm of popular books, exploring the engaging narratives that have charmed audiences this year. The Must-Read : Colleen Hoover's "It Ends with Us" This heartfelt tale of love, loss, and resilience has gripped readers with its raw and emotional exploration of domestic abuse. Hoover expertly weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can prevail. Uncover the Best : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This captivating historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids compelling storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Chapter 7 Cell Structure And Function Worksheet Answers : Delia Owens "Where the Crawdads Sing" This evocative coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens crafts a tale of resilience, survival, and the transformative power of nature, captivating readers with its evocative prose and mesmerizing setting. These bestselling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of compelling stories waiting to be discovered. The novel begins with Richard Papan, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a masterful and suspenseful novel that will keep you speculating until the very end. The novel is a warning tale about the dangers of obsession and the power of evil.

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