

Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

**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?  
 a. All living things are composed of cells.  
 b. Cells are the basic units of structure and function in living things.  
 c. 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>

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# Chapter 7 Cell Structure And Function Section 1 Life Is Cellular Answers

## [Chapter 7 Cell Structure And](#)

### **Chapter 7 Cell Structure And**

Chapter 7 Cell Structure and Function © 2018 Pearson Education Ltd. The Fundamental Units of Life ■All organisms are made of cells ■The cell is the simplest collection of matter that can be alive ■All cells are related by their descent from earlier cells ■Cells can differ substantially from one another but share common features

### **Chapter 7 Cell Structure and Function - JU Medicine**

Chapter 7: Cell Structure and Function. Terms in this set (40) cell. collection of living matter enclosed by a barrier that separates the cell from its surroundings; basic unit of all forms of life. cell theory. idea that all living things are composed of cells, cells are the basic units of structure and function in living things, and new cells are produced from existing cells . nucleus. the ...

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Biology Chapter 7: Cell Structure and Function Vocabulary [Cell Collection of living matter enclosed by a barrier that separates the cell from its surroundings; basic unit of all forms of life Cell theory Idea

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Chapter 7: Cell Structure and. Description. Inside the cell. Total Cards. 19. Subject. Biology. Level. Undergraduate 1. Created. 09/30/2008. Click here to study/print these flashcards. Create your own flash cards! Sign up here. Additional Biology Flashcards . Cards Return to Set Details. Term. organelles: Definition. membrane bound compartments providing different internal environment than ...

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Chapter 7 Cell Structure Chapter 7 Vocabulary outside membrane. 1.Cell wall-Strong supportive layer found on the outside of the cell membrane. surroundingenters 2.Cell membrane-...

### **Chapter 7 Cell Structure - [PPT Powerpoint]**

Chapter 7, Cell Structure and Function (continued) Osmosis (pages 186-187) 8. What does it mean that biological membranes are selectively permeable? Some substances can pass across them and others cannot. 9. What is osmosis? It is the diffusion of water through a selectively permeable membrane. 10. Is the following sentence true or false? Water tends to diffuse

### **Cell Structure and Function - Scarsdale Public Schools**

Chapter 7 Cell Structure and Function MULTIPLE CHOICE 1. Who was one of the first people to identify and see cork cells? a. Anton van Leeuwenhoek c. Matthias Schleiden b. Robert Hooke d. Rudolf Virchow ANS: B DIF: B REF: p. 169 OBJ: 7.1.1 2. The work of

Schleiden and Schwann can be summarized by saying that a. all plants are made of cells. b. all animals are made of cells. c. plants and ...

### **Chapter 7 Cell Structure and Function MULTIPLE CHOICE 1 ...**

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The cell wall and the cell membrane are the main components that function to provide support and structure to the organism. For eg., the skin is made up of a large number of cells. Xylem present in the vascular plants is made of cells that provide structural support to the plants.

### **What Is A Cell? - Definition, Structure, Types, Functions**

This is the second part of Ch. 7. It covers 7-3 and 7-4.

### **Ch. 7 Cell Structure and Function Part 2**

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Chapter 7 Cell Structure All living things are made of cells. Cells are made up of 3 main parts, Cell Membrane A skin that controls what enters the cell. Cytoplasm Watery substance that has proteins and sugar. Nucleus the control centre of the cell. It contains DNA. Cell Membrane Nucleus Cytoplasm. 07 Cell Structure Mr. C. Biology 3 October 17, 2013 Plant Cells and Animal Cells ...

### **Chapter 7 Cell Structure - Mr. C**

Chapter 7: Cell Structure and Function. Tools. Copy this to my account; E-mail to a friend; Find other activities; Start over; Help; Prentice Hall Biology. A B; cell : the basic units of all forms of life: cell theory; one of the fundamental concepts of biology. All living things are composed of cells. Cells are the basic units of structure and function in living things. New cells are produced ...

### **Quia - Chapter 7: Cell Structure and Function**

This is certainly relevant to chapter 7 cellular structure and function answer key. This has been a problem of numerous Christians especially if they have the answer correct away. A wide selection of only remember to hope every time they are in trouble although they happen to be living in sin all along.

### **Chapter 7 Cellular Structure And Function Answer Key ...**

Chapter 7 Cell Structure and Function.notebook 2 January 14, 2016 Nov 510:38 AM 72 Eukaryotic Cell Structure Key Concept What are the functions of the major cell structures? Vocab Page 174 Organelles "little organs" What are some differences

between the two cells? Cell Biologists divide cell into 2 parts nucleus and cytoplasm ... Chapter 7 Cell Structure and Function.notebook The idea that all ...

### **Chapter 7 Cell Structure Function Section Review 2 Answer Key**

Name Chapter 7 Cell Structure and Function Reviewing Key Concepts Class Date Section Review 7-2 Matching On the lines provided, match the structure with itsfunction in the cell. a. b. c. d. f. g. cell wall nucleus cytoskeleton endoplasmic reticulum Golgi apparatus chloroplast mitochondrion 1. 2. 3. 4.

### **Biochemistry 11 Inquiry - Home**

done by zain al-anani from faculty of biology from medical club Ju . . old name and number for this chapter (chapter 6 a tour of the cell )

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