

# Cellular Structure and Function

## Section 3 Structures and Organelles

### Main Idea

### Details

**Skim** Section 3 of the chapter. Write two questions that come to mind from reading the headings and the illustration captions.

1. **Accept all reasonable responses.**

2. \_\_\_\_\_

### Review Vocabulary

*enzyme*

Use your book or dictionary to define enzyme.

**protein that speeds up the rate of a chemical reaction**

### New Vocabulary

*cell wall*

*centriole*

*chloroplast*

*cilium*

*cytoplasm*

*cytoskeleton*

*endoplasmic reticulum*

*flagellum*

*Golgi apparatus*

*lysosome*

*mitochondrion*

*nucleolus*

*ribosome*

*vacuole*

Write each term in the table under the heading that best describes it.

Cell Structure (5)	Related to Genetic Material (2)	Food, Storage, and Waste (5)	Energy (2)
<b>cell wall</b>	<b>nucleolus</b>	<b>cytoplasm</b>	<b>chloroplast</b>
<b>cilium</b>	<b>ribosome</b>	<b>endoplasmic reticulum</b>	<b>mitochondrion</b>
<b>cytoskeleton</b>		<b>Golgi apparatus</b>	
<b>flagellum</b>		<b>lysosome</b>	
<b>centriole</b>		<b>vacuole</b>	

Compare and contrast each pair of terms by defining them and noting their differences.

<b>Chloroplast</b> plant organelle that captures light energy and converts it to a stored form	<b>Mitochondrion</b> in plants and animals, converts stored energy to a form cells can use
<b>Vacuole</b> storage compartment in a cell	<b>Centriole</b> organelle that functions during cell division
<b>Cilium</b> short, hairlike projection that aids in locomotion	<b>Flagellum</b> long, hairlike projection that aids in locomotion

# Chapter 7 Cell Structure And Function Worksheet Answer Key

**Arshad Iqbal**



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