Name	Date	Class
Cell Structure and Func	tion • Guided Reading ar	nd Study
Looking Inside	e Cells	
This section describes cell s pacteria.	tructure and function in plant	cells, animal cells, and
Jse Target Reading	Skills	
	gure 12. Then write two questic organizer like the one below. A	
	Plant and Animal Cells	
Q. How are animal cell	s different from plant cells?	
Α.		
Q.		
Α.		
ntroduction		
. What are organelles?		
Enter the Cell		
. The rigid layer of no	nliving material that surrou	nds plant cells is the

Na	me Date Class
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3.	Circle the letter of each sentence that is true about the cell wall.  a. Cell walls are made of cellulose.  b. Plant cells have cell walls.  c. Animal cells have cell walls.  d. Water and oxygen cannot pass through the cell wall.
4.	What does the cell wall do?
5.	Where is the cell membrane located in cells that have cell walls?
6.	Where is the cell membrane located in cells that do NOT have cell walls?
7.	Is the following sentence true or false? The main function of the cell membrane is to control what comes into and out of a cell.

## Sail On to the Nucleus

- **8.** Circle the letter of each sentence that is true about the nucleus.
  - **a.** Materials pass in and out of the nucleus through pores in the nuclear envelope.
  - **b.** Chromatin contains the instructions that direct the functions of a cell.
  - **c.** The nucleolus is part of the nuclear envelope.
  - d. Ribosomes are made in the nucleolus.

## **Organelles in the Cytoplasm**

- **9.** Circle the letter of the part of the cell that is the region between the cell membrane and the nucleus.
  - a. organelle
  - b. nucleus
  - **c.** cytoplasm
  - **d.** chromatin

Organelle Function  Mitochondria  Endoplasmic reticulum  Ribosomes  Golgi bodies  Chloroplasts	Organelles in Cytoplasm		
Endoplasmic reticulum Ribosomes Golgi bodies	Organelle	Function	
Ribosomes  Golgi bodies	Mitochondria		
Golgi bodies	Endoplasmic reticulum		
	Ribosomes		
Chloroplasts	Golgi bodies		
	Chloroplasts		
Vacuoles	Vacuoles		
Lysosomes	Lysosomes		

**Cell Structure and Function** • *Guided Reading and Study* 

Looking Inside Cells (continued)

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

**12.** Circle the letter of each sentence that is true about bacterial cells.

a. Bacterial cells are larger than plant or animal cells.b. Bacterial cells have a cell wall and a cell membrane.

**c.** Bacterial cells do not have a nucleus.

**d.** Bacterial cells do not have genetic material.