

Name _____

Date _____

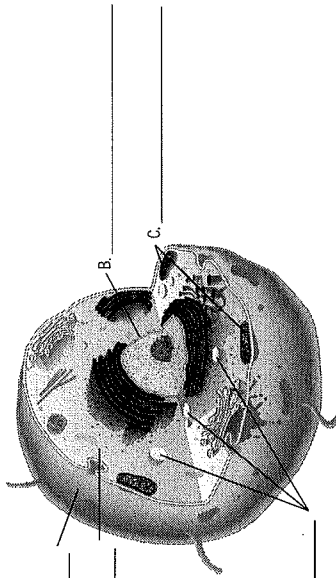
Use with textbook page 27.

Parts of cells

Vocabulary

- cell membrane
- nucleus
- cell wall
- chloroplast
- vacuole
- vacuoles
- cytoplasm
- mitochondria

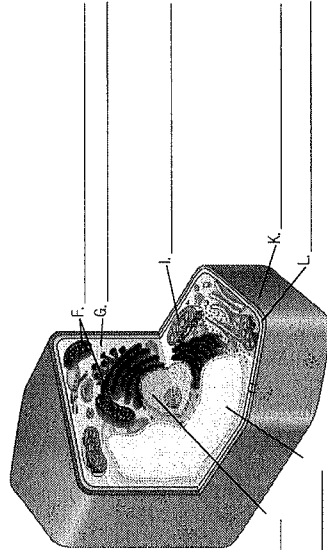
Use the terms in the box to label the parts of an animal cell and a plant cell. Terms may be used more than once.



A. _____

E. _____

D. _____



H. _____

J. _____

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Use with textbook pages 24–29.

Inside a cell

Vocabulary

- bacteria
- cell theory
- cell membrane
- cell wall
- chloroplasts
- cytoplasm
- eukaryotic
- living thing
- mitochondria
- organelle
- prokaryotic
- nucleus
- vacuoles
- viruses

Use the terms in the vocabulary box to fill in the blanks. Each term may be used only once. You will not need to use all the terms.

1. A(n) _____ is a cell structure in which functions are carried out to ensure the cell's survival.
2. Each cell is surrounded by a _____ that separates the interior of the cell from its surroundings.
3. Within the cell is a jelly-like substance called _____.
4. The _____ is the organelle that controls all the activities within the cell.
5. The _____ are the energy producers in the cell.
6. _____ are temporary storage compartments that sometimes store waste.
7. The _____ is a tough, rigid structure that surrounds the cell membrane and protects the cell.
8. The _____ trap the energy from the Sun and change it into chemical energy.
9. Plant and animal cells are examples of _____ cells.
10. _____ cells are cells that do not have organelles with membranes around them.
11. _____ are examples of prokaryotic cells that can cause disease.
12. _____ are examples of non-living things that are able to reproduce.

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Comprehension
Section 1.2

Use with textbook pages 32-34.

True or false?

Read the statements given below. If the statement is true, write "T" on the line in front of the statement. If it is false, write "F" and rewrite the statement to make it true.

- _____ The cell is the basic unit of life.

- _____ All organisms are composed of only one cell.

- _____ Animal cells use chloroplasts to trap the Sun's energy.

- _____ Prokaryotic cells are cells that are surrounded by a cell wall.

- _____ Eukaryotic cells are cells that are surrounded by a cell membrane.

- _____ Some bacteria cause diseases.

- _____ Viruses are non-living things.

- _____ Bacteria are an example of eukaryotic cells.

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Assessment
Section 1.2

Use with textbook pages 22-39.

Cells

Circle the letter of the best answer.

- Cell membranes are found in
A. plant cells only
B. animal cells only
C. neither plant or animal cells
D. both plant and animal cells
- Which comparison between plant and animal cells is correct?

	Plants	Animals
A.	no chloroplasts	chloroplasts
B.	no mitochondria	mitochondria
C.	nucleus	no nucleus
D.	cell wall	no cell wall

3. Which of the following describes the cell theory?

- The cell is the basic unit of life.
- All organisms are composed of one or more cells.
- Two or more cells are necessary to produce new cells.
- All cells come from other living cells.

- A. I, II, and III only
B. I, II, and IV only
C. I, III, and IV only
D. II, III, and IV only

4. Which of the following statements is true?

- A. A eukaryotic cell has organelles surrounded by membranes.
B. A prokaryotic cell has organelles surrounded by membranes.
C. All eukaryotic cells are surrounded by a cell wall.
D. All prokaryotic cells are surrounded by a cell wall.
5. Bacteria are examples of
A. organelles
B. viruses
C. prokaryotic cells
D. eukaryotic cells
6. Plant cells are examples of
A. organelles
B. bacteria
C. prokaryotic cells
D. eukaryotic cells

Match each Term on the left with the best Descriptor on the right. Each Descriptor may be used only once.

Term	Descriptor
7. _____ cell membrane	A. produces energy
8. _____ nucleus	B. controls all the cell's activities
9. _____ cytoplasm	C. protects and supports plant cells
10. _____ mitochondria	D. traps light energy
11. _____ vacuoles	E. stores materials such as wastes
12. _____ cell wall	F. controls what enters and leaves a cell
13. _____ chloroplasts	G. organelles without a membrane around them
	H. holds the organelles in place