

## CHAPTER 1 REINFORCEMENT

# Cell Organelles

**Goal • Review cell parts and functions.**

**What to do**  
Write your answers to the following questions in the spaces provided.

### Matching

Match the description in column A with a term in column B. Write the letter of the response in the blank on the left.

- |   |  |
|---|--|
| A | B  |
| d | 1. Manufactures ribosome parts.                          |
| a | 2. Structure that forms each outer boundary of a cell.   |
| c | 3. Encloses the cell's genetic material.                 |
| b | 4. Not found in animal cells.                            |
| e | 5. Specialized structures performing specific functions. |
| f |  |
| g |  |
| h |  |

### Fill in the Blanks

6. Complete the following table by filling in the correct cell part or function.

| Cell Part                    | Function  |
|------------------------------|---|
| <u>Cytoplasm</u>             | Gel-like material inside cells.   |
| <u>nucleus</u>               | Directs cell activities.  |
| <u>Endoplasmic reticulum</u> |   |
| <u>ribosomes</u>             | Manufactures substances important for cell functions.                       |
| <u>mitochondria</u>          | Releases energy in the cell.  |
| <u>Chromatin</u>             | Complex of DNA + proteins that forms chromosomes.                           |
| <u>Chloroplast</u>           | Trap energy from Sun to make glucose.                                       |
| <u>Vacuole</u>               | Stores water, food, and waste products.                                     |
| <u>Golgi body</u>            | Sorts + packages <del>feed</del> protein + other molecules out of the cell. |
| <u>Lysosome</u>              | Digests wastes.   |

### Longer Answer

7. List three premises of the cell theory.

1. All living organisms are made of 1 or more cells.
2. The cell is the basic organizational unit of life.
3. All cells come from pre-existing cells.

8. Which organelles does a plant cell have that an animal cell lacks?

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## Build a Concept Map about Organelles (continued)

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