

**CHAPTER**

**1**

**REINFORCEMENT WORKSHEET**

*Building a Eukaryotic Cell*

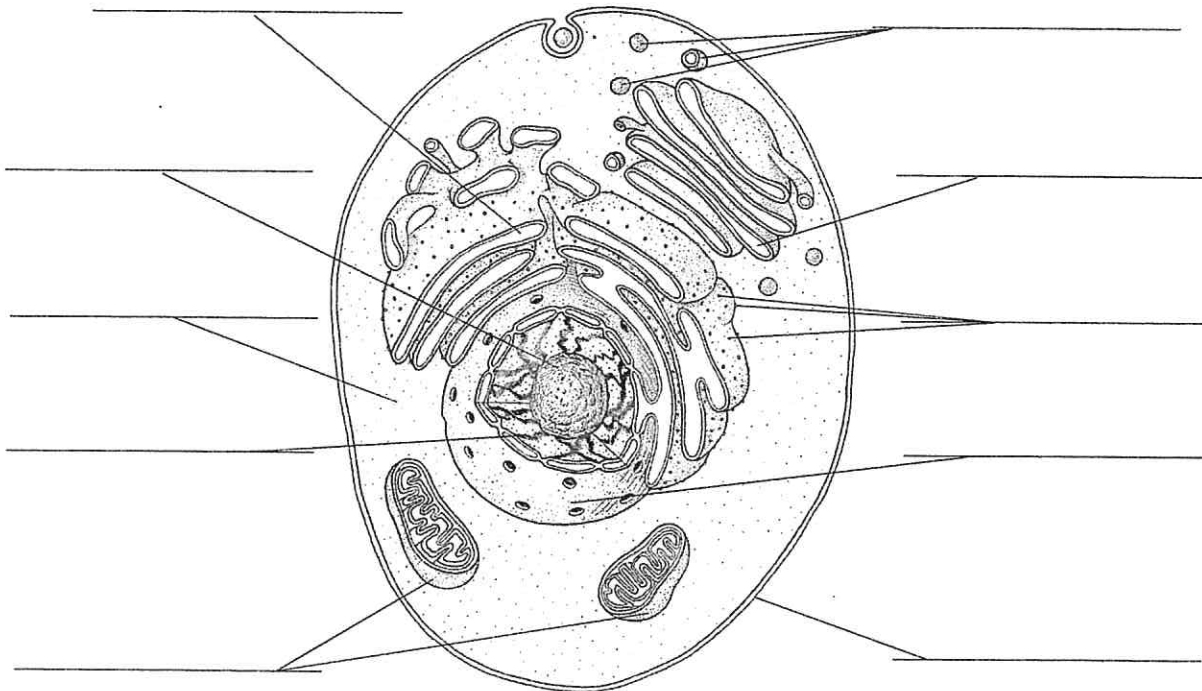
Complete this worksheet after you finish reading Chapter 1, Section 3.

Below is a list of the features found in eukaryotic cells. Next to each feature, write a *P* if it is a feature found only in plant cells and a *B* if it is a feature that can be found in both plant and animal cells.

- |                                |                        |
|--------------------------------|------------------------|
| 1. _____ endoplasmic reticulum | 8. _____ Golgi complex |
| 2. _____ mitochondria          | 9. _____ cell wall     |
| 3. _____ nucleus               | 10. _____ vesicles     |
| 4. _____ large vacuole         | 11. _____ DNA          |
| 5. _____ cell membrane         | 12. _____ nucleolus    |
| 6. _____ cytoplasm             | 13. _____ chloroplasts |
| 7. _____ ribosomes             |                        |

In the space provided, label the structures of the eukaryotic cell drawn below. Include all of the structures that you labeled *B*.

**A Eukaryotic Cell**



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**Cells: The Basic Units of Life, continued**

**Cell Break**

3. Harvey Hoodrini is the town's most talented escape artist. For the state fair, Perry Mecium has created a cell that he thinks even Harvey can't break out of. Four walls of the cell use a special combination of letters and numbers to release the locks. Once all four locks are released, they will reveal a message that explains how to get out of the cell.

Unscramble the chapter terms surrounding Harvey's cell and write them in the boxes. Vertical words should be written from top to bottom. Then use the letters from the numbered squares to decode the secret message.

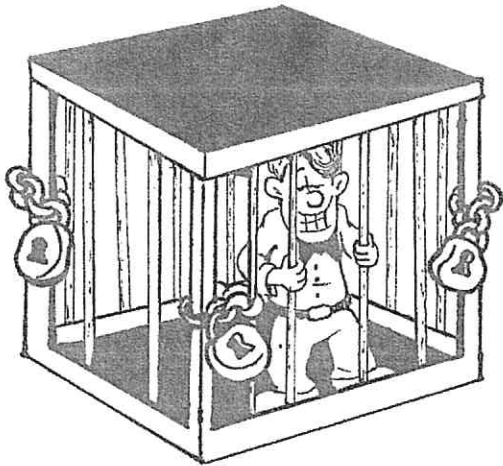
h i m o o n r i d c a t

8

2

13

4



m

o

b

5

 r

o

10

 s

e

12

 s

i

 m
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1

 s
 a
 p
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9

 o
 t

6

11

3

Phrase: 1 2 3 4 5 6 7 8 9 10 11 12 13

top: mitochondria, left: ribosomes, right: cytoplasm, bottom: Golgi complex,  
phrase: The door is open.

**CHAPTER**

**1**

**VOCABULARY REVIEW WORKSHEET**

*A Cell Crossword Puzzle*

Try this puzzle after finishing Chapter 1.

Use the clues below to complete the crossword puzzle on the next page.

**ACROSS**

- 1. the fluid inside a cell
- 6. another name for 12 across
- 9. the control center of a cell
- 11. special vesicles containing enzymes
- 12. cells that do not have a nucleus
- 14. organelle that modifies, packages, and transports materials out of the cell
- 18. describes an organism that can exist only as a group of cells
- 22. A single \_\_\_\_\_ has all of the items necessary to carry out life's activities.
- 23. a combination of two or more tissues working together to perform a specific job in the body
- 25. british scientist who first observed cells under a microscope
- 26. energy-converting organelle found in plant and algae cells
- 27. anything that can live on its own

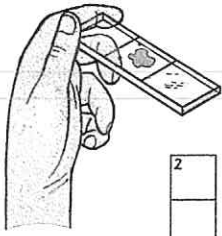
- 28. groups of organs working together to perform particular jobs in the body
- 29. one of the structures a cell uses to live, grow, and reproduce

**DOWN**

- 1. all of the populations of different species that live and interact in an area
- 2. The cells of plants and algae have a hard \_\_\_\_\_ made of cellulose.
- 3. organelles at which amino acids are hooked together to make proteins
- 4. the cell's hereditary material
- 5. a group of similar cells that work together to do a specific job in the body
- 7. cells that have a central nucleus and a complicated inner structure
- 8. All eukaryotic cells have membrane-covered compartments called \_\_\_\_\_ that form when part of the cell membrane surrounds an object and pinches off.

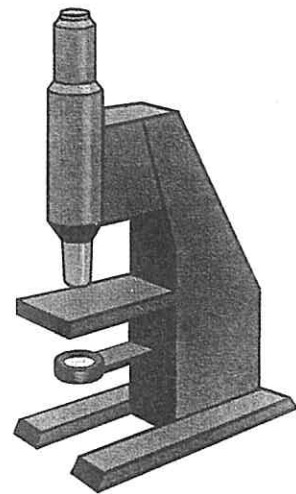
- 10. a group of the same kind of organisms that live in the same area at the same time
- 13. the cell's power plants; break down food molecules to make ATP
- 15. barrier between the inside of a cell and its environment
- 16. dark spot inside the nucleus that stores the materials that will be used later to make ribosomes
- 17. three statements that define all living things in terms of cells
- 19. the cell's delivery system (abbr.)
- 20. special molecule that provides energy for a cell's activities
- 21. a community and all of the nonliving things that affect it
- 24. a large membrane-covered chamber that stores liquids and is found in plant cells

A Cell Crossword Puzzle, continued



A crossword puzzle grid with 29 numbered starting points for words. The grid consists of white squares for letters and empty spaces for non-letter characters. The numbers are as follows:

- 1: Down, top right
- 2: Down, left side
- 3: Down, middle left
- 4: Down, middle right
- 5: Down, right side
- 6: Across, middle left
- 7: Across, middle left
- 8: Across, middle right
- 9: Across, middle right
- 10: Across, middle left
- 11: Across, middle left
- 12: Across, middle right
- 13: Down, far right
- 14: Across, middle right
- 15: Across, middle right
- 16: Down, middle left
- 17: Down, left side
- 18: Across, middle left
- 19: Across, middle left
- 20: Across, middle right
- 21: Down, middle right
- 22: Across, middle left
- 23: Across, middle right
- 24: Down, middle left
- 25: Across, middle left
- 26: Across, middle right
- 27: Across, middle left
- 28: Across, middle right
- 29: Across, bottom left



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