

# PARTS OF THE CELL—MATCHING

Name \_\_\_\_\_

Match the descriptions in Column I with the name in Column II.

## Column I

- \_\_\_\_\_ 1. holds nucleus together
- \_\_\_\_\_ 2. surface for chemical activity
- \_\_\_\_\_ 3. units of heredity
- \_\_\_\_\_ 4. digestion center
- \_\_\_\_\_ 5. where proteins are made
- \_\_\_\_\_ 6. structures involved in mitosis in animal cells only
- + \_\_\_\_\_ 7. microscopic cylinders that support and give the cell shape
- \_\_\_\_\_ 8. shapes and supports a plant cell
- \_\_\_\_\_ 9. stores and releases chemicals
- \_\_\_\_\_ 10. food for plant cells is made here
- \_\_\_\_\_ 11. spherical body within nucleus
- \_\_\_\_\_ 12. controls entry into and out of cell
- \_\_\_\_\_ 13. traps light and is used to produce food for plants
- \_\_\_\_\_ 14. chromosomes are found here
- \_\_\_\_\_ 15. jellylike substance within cell
- \_\_\_\_\_ 16. contains code which guides all cell activities
- g \_\_\_\_\_ 17. minute hole in nuclear membrane
- \_\_\_\_\_ 18. "powerhouse" of cell
- \_\_\_\_\_ 19. contains water and dissolved minerals
- S \_\_\_\_\_ 20. stores food or contains pigment

## Column II

- a. Golgi bodies
- b. nucleus
- c. chromosomes
- d. vacuole
- e. ribosomes
- f. endoplasmic reticulum
- g. nuclear membrane
- h. centrioles
- i. cytoplasm
- j. chlorophyll
- k. chloroplasts
- l. cell (plasma) membrane
- m. cell wall
- n. mitochondria
- o. lysosome
- p. genes
- ~~q.~~ nuclear pore
- r. nucleolus
- ~~s.~~ plastid
- ~~t.~~ microtubule

# FUNCTION OF THE ORGANELLES

Name \_\_\_\_\_

Which organelle performs each of the following functions within the cell?

## Function

## Organelle

- |   |     |       |
|---|-----|-------|
| 1. Controls the movement into and out of the cell   | 1.  | _____ |
| 2. Watery material which contains many of the materials involved in cell metabolism                                   | 2.  | _____ |
| 3. Serves as a pathway for the transport of materials throughout the cell; also associated with synthesis and storage | 3.  | _____ |
| 4. Serves as the control center for cell metabolism and reproduction  | 4.  | _____ |
| 5. Sites of protein synthesis   | 5.  | _____ |
| 6. Involved in the digestion of food within the cell  | 6.  | _____ |
| 7. The "powerhouse" of the cell   | 7.  | _____ |
| 8. Packages and secretes the products of the cell   | 8.  | _____ |
| 9. Involved in cell division in animal cells  | 9.  | _____ |
| 10. Fluid filled organelles enclosed by a membrane; contains stored food or wastes                                    | 10. | _____ |
| 11. Site of the production of ribosomes   | 11. | _____ |
| 12. Controls movement into and out of the nucleus   | 12. | _____ |
| 13. Gives the cell its shape and provides protection; not found in animal cells                                       | 13. | _____ |
| <br>  |     |       |
| 14. Site of photosynthesis  |     | _____ |
| <br>  |     |       |
| 15. rod-shaped bodies that carry genetic information  |     | _____ |