

Biology  
Mrs. Smith

Name Key  
Date \_\_\_\_\_

### Test #3 Cell Structure and Function

#### Study Guide

#### Word Bank:

Golgi Apparatus	Chromatin	Nuclear Membrane
Chloroplast	Cytoplasm	Ribosomes
Mitochondria	Cell Wall	Nucleolus
Vacuole	Lysosomes	Endoplasmic Reticulum
Cell Membrane	Cytoskeleton	Centriole

#### Fill in the blank using the word bank above:

1. The site where proteins and carbohydrates are made in the cell.  
Rough ER
2. The inspector of the cell. Golgi Apparatus
3. Convert sunlight into food in the plant cell. Chloroplast
4. Convert food into chemical energy. Mitochondria
5. The storage facility of the cell. Vacuole
6. Allows materials to move in and out of the cell and protects it.  
Cell Membrane
7. The granular material located in the nucleus where the chromosomes are held.  
Chromatin
8. The area outside of the nucleus. Cytoplasm
9. The structure in the plant cell that gives it extra support.  
Cell Wall
10. Protects the nucleus and is permeable. Nuclear Membrane
11. Assemble proteins. Ribosomes
12. The spot in the nucleus where ribosomes are assembled.  
Nucleolus

13. Regulate cell division are found only in the animal cell.

Centrioles

14. The cleaning crew of the cell. Lysosomes

15. The "skin" of the cell. Cytoskeleton

**Matching:**

H 16. The movement of materials in and out of the cell.

J 17. The movement of water in and out of the cell.

I 18. The movement of materials to opposite ends of the cell.

C 19. Living matter enclosed in a protective barrier.

F 20. Tiny organs in a cell.

G 21. The ability to let things in and out.

D 22. A cell with no nucleus.

B 23. The amount of solute versus solvent in a solution.

E 24. A cell with a nucleus.

A 25. The genetic material of an organism.

A. Chromosomes

B. Concentration

C. Cell

D. Prokaryote

E. Eukaryote

F. Organelle

G. Permeable

H. Diffusion

I. Active Transport

J. Osmosis