

**Cell Biology**  
**Organelles Part 1**

Name:

Period:

Use Chapter 4, Section 2 of your textbook to answer the questions below. A \* means a two word answer.

**Cytoskeleton (p.122)**



1. The web of proteins in the cytoplasm of some cells is called a \_\_\_\_\_.
2. What are attached to the cytoskeleton? \_\_\_\_\_
- \_\_\_\_\_ 3. What gives animal cells their shape?  
a. the cell wall      b. the cell membrane      c. the cytoplasm      d. the cytoskeleton
4. Besides providing shape for the cell, the cytoskeleton also is used for \_\_\_\_\_.

**Nucleus (p.122)**



5. Inside the nucleus of a eukaryotic cell, there is \_\_\_\_\_.
- \_\_\_\_\_ 6. What controls the chemical reactions in a cell?  
a. proteins      b. cytoplasm      c. phospholipids      d. cell membrane
7. The nucleus is covered by two \_\_\_\_\_.
- \_\_\_\_\_ 8. Where in the nucleus does a cell begin to make its ribosomes?  
a. membrane      b. pore      c. cytoskeleton      d. nucleolus
9. Look at Figure 4. DNA is stored in the nucleolus ( True / False ) \_\_\_\_\_

**Ribosomes (p.123)**



10. Ribosomes are organelles that make \_\_\_\_\_.
11. Ribosomes are the most common organelle in a cell. ( True / False ) \_\_\_\_\_
12. Ribosomes use \_\_\_\_\_ to make proteins. \*
- \_\_\_\_\_ 13. What kind of cells have ribosomes?  
a. only blood cells      b. only plant cells      c. only animal cells      d. all cells

**Endoplasmic Reticulum (p.123)**

14. The endoplasmic reticulum is a place in the cell where materials are \_\_\_\_\_.
15. \_\_\_\_\_ are the organelles that make the endoplasmic reticulum look rough and bumpy.
16. The endoplasmic reticulum \_\_\_\_\_ proteins throughout the cell.
17. Look at Figure 5. Which kind of ER does not have ribosomes?  
\_\_\_\_\_

