

**Cell Biology**

Name:

**Organelles Part 1**

Period:

Use Chapter 4, Section 2 of your textbook to answer the questions below. The word bank can be used to fill out the sentences below. A\* means a two word answer.

amino acids	cytoskeleton	delivers	DNA	made	membranes	movement
	organelles	proteins	ribosomes	smooth		

**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?

