Cell Biology Name:

Organelles Part 1 Period:

Use Chapter 4, Section 2 of your textbook to answer the questions below. The word banks can be used to fill out the sentences below them.

amino acids cytoskeleton delivers DNA made membranes movement organelles proteins ribosomes

Cytoskeleton (p.122)

1. The web of proteins in the cytoplasm of some cells is called _____ .

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

Ribosomes (p.123)

9. Ribosomes are organelles that make _____ .

10. Ribosomes are the most common organelle in a cell. (True / False) _____

11. Ribosomes use _____ to make proteins.

_____ 12. 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)

13. The endoplasmic reticulum is a place in the cell where materials are _____ .

14. _____ are the organelles that make the endoplasmic reticulum look rough and bumpy.

15. The endoplasmic reticulum _____ proteins throughout the cell.