

Name_____ Date_____

Section 1.1 The Cell: Understanding the Basic Unit of Life

Read pages 4-16.

- 1) All living organisms are made up of _____ or _____ cells.
- 2) What are the four basic statements of the cell theory?
- 3) Define organelles.
- 4) Which organelles does a plant cell have that an animal cell lacks?
- 5) Define nuclear membrane.
- 6) Define DNA.
- 7) Define chromatin.
- 8) Define nucleolus.
- 9) Define ribosomes.
- 10) Define cell membrane.

11) Define cytoplasm.

12) Define cell wall.

13) Define mitochondria.

14) Define vacuoles.

15) Define chloroplasts.

16) Define nucleus.

17) Name three people whose ideas, research, or discoveries contributed to the cell theory. Briefly describe their contributions.

18) Why was communication through books, letters, and lectures such an important factor in the development of the cell theory? What do you think would happen if scientists today were unable to communicate with each other?