Grade Level Expectations:

* Use appropriate tools and techniques to gather, organize, analyze, and interpret data.
* Communicate scientific understanding using descriptions, explanations, and models.
* Explore how technology responds to social, political, and economic needs.
* Make observations and describe the structure and function of organelles found in plant and animal cells.
* Summarize how the different levels of organization are integrated within living systems.
* Distinguish between the basic features of photosynthesis and respiration.

Study Guide Questions: We can….

1. Define the Vocabulary Words:
2. cell g) organ
3. organelle h) organism
4. prokaryote i) structure
5. eukaryote j) function
6. vesicle k) organ system
7. tissue
8. State the parts of The Cell Theory.
9.
10.
11.
12. Explain why cells are so small.
13. Describe the parts of a cell.
14. Describe how bacteria are different from archaea.
15. Explain the difference between prokaryotic cells and eukaryotic cells.
16. Describe the structure and functions of each organelle found in eukaryotic cells.
17.
18.
19.

1.
2.
3.
4.
5.
6.
7.
8.
9.
10. List three benefits of being a multicellular organism.
11.
12.
13.
14. Describe the four levels of organization integrated within living things.
15.

1.
2.
3.
4. Explain the relationship between the structure and function of a part of an organism.

Structure-

Function