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| **Course: 7th grade Life Science** | | |
| **Standard(s): SC.6.L.14.1 (Organization of organisms), SC.6.L.14.2 (Cell Theory),  SC.6.L.14.4 (Organelles), SC.7.N.1.6 (Empirical evidence), SC.7.N.3.1 (Theories)** | | |
| **Topic (Keywords): Cells and Organelles** | | |
| **4.0** | **In addition to Score 3.0, in-depth inferences and applications that go beyond instruction to the standard**  **The student will:**   * Create and present a visual analogy of the cell (i.e. correlating the parts of a cell to the parts of a city) using some form of technology   **No major errors or omissions regarding the score 4.0 content** | |
|  | **3.5** | In addition to score 3.0 performance, in-depth inferences and applications with partial success |
| **3.0** | **The student will**: investigate the structural and functional components of organisms focusing on organelles and Cell Theory   * Describe and identify patterns in organization of organisms (atoms-molecules-cells-tissues-organs-organ systems-organisms) (L.14.1) * Investigate and explain the components of Cell Theory (L.14.2, N.3.1)   + All organisms are composed of cells   + All cells come from pre-existing cells   + Cells are the basic unit of life * Compare and contrast the structure and function of major organelles of plant and animal cells (cell wall, cell membrane, nucleus, cytoplasm, chloroplasts, mitochondria, and vacuoles) (L.14.4, N.1.6) * Distinguish between plant and animal cells using observable evidence (L.14.4, N.1.6)   **No major errors or omissions regarding the score 3.0 content (simple or complex)** | |
|  | **2.5** | No major errors or omissions regarding 2.0 content and partial knowledge of the 3.0 content |
| **2.0** | **The student recognizes and describes specific terminology such as:**   |  |  |  | | --- | --- | --- | | * Cell wall | * Cell membrane | * Nucleus | | * Cytoplasm | * Chloroplasts | * Mitochondria | | * Vacuoles | * Atoms | * Molecules | | * Cells | * Tissues | * Organs | | * Organ systems | * Organism |  |   **The student will:**   * Understand that all living things have cells * Understand that cells are made up of atoms and molecules * Understand that plant and animal cells are different   **No major errors or omissions regarding the simpler details and processes but major errors or omissions regarding the more complex ideas and processes** | |
|  | **1.5** | Partial knowledge of the score 2.0 content, but major errors or omissions regarding score 3.0 content |
| **1.0** | With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes. | |
|  | **0.5** | With help, a partial understanding of the score 2.0 content, but not the score 3.0 content |
| **0.0** | Even with help, no understanding or skill demonstrated | |

**Student Progress Chart**

Keeping Track of My Learning

**Name:** \_ **Period:**

**Unit:**

**Learning Goal:** \_

My score at the beginning is . My goal is to be at score .

Specific things I am going to do to improve:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **My Score at the Beginning, Middle,**  **and End of the Unit**   |  |  |  |  | | --- | --- | --- | --- | | 4 |  |  |  | |  |  |  | |  | |  |  |  |  | | 3 | |  |  |  | |  | |  |  |  |  | | 2 | |  |  |  | |  | |  |  |  |  | | 1 | |  |  |  | |  | |  |  |  |  | | 0 | | Beginning | Middle | End | |  | \_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_ |   Using the scale provided in class, fill in the bar graph based on your score at the beginning, middle, and end of the unit. Write the date on the lines below the graph. | **Use this box at the end of the unit only!**  I believe I will earn a grade of on my unit test.  I actually earned a grade of on my unit test.  Possible reasons for achieving or not achieving my grade on the unit test are: |