**I Can Statements and Personal Reflection**

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| **Unit 1 – Cell Biology**   | **Reflection** |
|  I can explain how to conduct a controlled experiment and distinguish between the different scientific variables |  |
| I can explain the difference between a hypothesis and a theory and explain how science is a process using examples such as spontaneous generation and endosymbiotic theory. |  |
|  I can explain the 8 characteristics of life |  |
|  I can describe how life is organized |  |
|  I can recognize, sketch, and explain the function of the 4  major biological molecules  |  |
|  I can compare and contrast prokaryotic and eukaryotic cells |  |
|  I can draw and relate the structure and function of the cell organelles  |  |
|  I can compare and contrast plant and animal cells |  |
|  I can compare and contrast photosynthesis and cellular respiration and explain the relationship between them |  |
|  I can explain how a protein is made in a cell  |  |
|  I can draw and describe the process of mitosis  |  |
|  I can draw and describe the process of meiosis  |  |
|  I can compare and contrast mitosis and meiosis |  |
|  I can draw and explain the processes of diffusion and osmosis |  |