**Unit 4 Mastery Tracker – Cell and Organ Structure**

Each I can Learning Objective will be taught during the unit. After the lesson, please evaluate where you are on the mastery scale. Your goal for every unit is to feel that you are in the mastered or learned category. That would represent a 4 or 3.

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| Strand 7.3: Students will be able to: 1. Plan and carry out an investigation that provides evidence that the basic structures of living things are cells. Emphasize that cells can form single-celled or multicellular organisms and that multicellular organisms are made of different types of cells. 2.Develop and use a model to describe the function of a cell in living systems and the way parts of cells contribute to cell function. Emphasize the cell as a system, including the interrelating roles of the nucleus, chloroplasts, mitochondria, cell membrane, and cell wall. 3. Construct an explanation using evidence to explain how body systems have various levels of organization. Emphasize understanding that cells form tissues, tissues form organs, and organs form systems specialized for particular body functions.  |  Mastery | Learned | Learning | Need Help |
| **Learning Objective 19** I can correctly use a microscope to observe  carry out an investigation that provides evidence that the basic structures of living things are cells. Emphasize that cells can form single-celled or multicellular organisms, and that multicellular organisms are made of different types of cells. |  |  |  |  |
| **Learning Objective 20**I can develop and use a model to describe the function of a cell in living systems and the way parts of cells contribute to cell function by correctly identifying the following cell parts and their functions: cell wall, cell membrane, cytoplasm, chloroplast, nucleus and other organelles  |  |  |  |  |
| **Learning Objective 21**I can explain the difference between a plant and an animal cell as well as a prokaryotic and eukaryotic cell.  |  |  |  |  |
| **Learning Objective 22** I can construct an explanation using evidence to explain how body systems have various levels of organization. Emphasize understanding that cells form tissues, tissues form organs, and organs form systems specialized for particular body functions.  |  |  |  |  |
| **Learning Objective 23**I can explain the relationships between the circulatory, excretory, digestive, respiratory, muscular, skeletal, and nervous systems. |  |  |  |  |
| **Learning Objective 24**I Can match a particular structure to the appropriate level (e.g., heart to organ, cactus to organism, muscle to tissue) and relate the structure of an organ to its component parts and the larger system of which it is a part. |  |  |  |  |