**Cells Mastery Tracker**

**STANDARD III: Students will understand that the organs in an organism are made of cells that have structures and perform specific life functions.**

## **Objective 1:** Observe and describe cellular structures and functions.

**Essential Questions: How do cell functions help humans persevere?**

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|  | **I can statements:** | Notes orAssignment | Quiz | Test |
| **C1** | I can use appropriate instruments to observe, describe, and compare various types of cells (e.g. onion, diatom, cheek)  |  |  |  |
| **C2** | I can observe and distinguish the cell wall, cell membrane, nucleus, chloroplast, and cytoplasm of cells.   |  |  |  |
| **C3** | I can differentiate between a plant and an animal cell based on the cell wall and cell membrane.   |  |  |  |
| **C4** | I can model the cell processes of diffusion and osmosis and relate this motion to the motion of particles.  |  |  |  |
| **C5** | I can gather information to report on how the basic functions of organisms are carried out within cells.     |  |  |  |

**Key Terms:**

* **Cell**
* **Cell wall**
* **Nucleus**
* **Cytoplasm**
* **Membrane**
* **Mitochondria**
* **Chloroplast**
* **Diffusion**
* **Osmosis**

**Levels of Organization Mastery Tracker**

**STANDARD III: Students will understand that the organs in an organism are made of cells that have structures and perform specific life functions.**

Objective 2: Identify and describe the function and interdependence of various organs and tissues.

**Essential Question: How do specific systems work to support life?**

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|  | **I can statements:** | **Notes or****Assignment** | **Quiz** | **Test** |
| **C6** | f. I can order the levels of organization from simple to complex.  |  |  |  |
| **C7** | g. I can match a particular structure to the appropriate level of organization.  |  |  |  |
| **C8** | h. I can relate the structure of an organ to its component parts and the larger system of which it is a part.  |  |  |  |
| **C9** | i. I can describe how the needs of organism at the cellular level for food, air, and waste removal are met by tissues and organs.  |  |  |  |

**Vocabulary:**

Organ

Organism

Organ System

Tissue