

## 7<sup>th</sup> Grade Core Essential Questions

**Standard 3:** 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.

### **Enduring Understanding:**

Living things are made of smaller structures called cells. There are similarities and basic differences between various types of cells. Substances move into and out of cells because of osmosis and diffusion. Cells carry out all of the functions of living things.

### **Essential Questions**

1. What is the basic structural unit of all living things?
2. How can you observe various cells and their parts?
3. How are cells alike? How are they different?
4. How do cells move food, water, and oxygen into the cell and wastes out?

## 7<sup>th</sup> Grade Core Essential Questions

**Standard 3:** 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 inter-dependence of various organs and tissues.

### **Enduring Understanding:**

Cells combine to form tissues which combine to form organs. Organs combine to form organ systems which combine to form organisms. All levels of organization in living things work together to carry out the activities of life.

### **Essential Questions**

1. How are the cells organized to form a living thing?
2. What are the needs of living things and how are those needs met?