

Unit  
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## Lesson 5: Diagrams of Osmosis Labs

**Purpose:** To visually show what happened in our osmosis labs.

**Instructions:** Create a diagram showing what happened when we placed the gummy bear, carrot, and plant cell into the different solutions. Be sure your diagram includes a picture of the object, high/low concentration labels, and arrows showing where the water is moving from and to.

**Gummy Bear Lab**

*Summary:* The gummy bear was placed into a hypotonic solution. This means there was a higher concentration of water in the solution and a lower concentration of water in the gummy bear. Therefore, the water osmosed from the solution to the gummy bear causing it to grow.

**Carrot Lab**

*Summary:* The carrots were placed into two solutions. One carrot was placed into a hypertonic solution. This solution had a \_\_\_\_\_ concentration of water and the carrot had a \_\_\_\_\_ concentration of water. Therefore, the water osmosed from the \_\_\_\_\_ to the \_\_\_\_\_ causing the carrot to \_\_\_\_\_. The other carrot was placed into a hypotonic solution. This solution had a \_\_\_\_\_ concentration of water than the carrot. Therefore, the water osmosed from the \_\_\_\_\_ to the \_\_\_\_\_ causing the carrot to \_\_\_\_\_.

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**Elodea Leaf Lab**

*Summary: The elodea leaf was placed into a hypertonic solution. This solution had a \_\_\_\_\_ concentration of water and the leaf had a \_\_\_\_\_ concentration of water. Therefore, the water osmosed from the \_\_\_\_\_ to the \_\_\_\_\_ causing the leaf cell to \_\_\_\_\_.*