

**Title:** Really Cool Thing

**Course(s)**: Biology

**Grade Level**: 11–12

**Type of Activity:** Lab

**Research Required:** Yes

**Duration:** 1 hour

**Overview:**

*This task demonstrates the importance of osmotic balance for cells to function properly, and what the consequences are when that balance is not met. This task fits into the curriculum of basic cell biology. After researching diffusion and osmosis, students will test their understanding by doing experiments to explore how solute concentration affects diffusion and how cells react when placed in different kinds of solutions. Students will develop hypotheses based on their understanding of diffusion and osmosis and will write a 4-page lab report, including an introduction, methods, results (including a graph), and discussion section.*

**Prior Knowledge Needed:**

*Understanding of X, Y, Z. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Maecenas in diam lacus. Nullam vestibulum tincidunt vehicula. Proin accumsan nibh eget quam fringilla tincidunt.*

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Activity

Supplemental Doc #1

Supplemental Doc #2

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