

## WHAT YOU WILL NEED:

- 3 - 4 Bing cherries
- A bowl
- A lid or cellophane wrap
- Water



# OSMOTIC PRESSURE AFFECT ON BING CHERRIES

## Overview and Objective

Osmosis is the diffusion of fluids through membranes. It is the way plants absorb water. The pressure it causes, osmotic pressure, can cause cherries to burst in times of high rain or humidity. For this experiment, we're going to examine how this pressure affects the cherries – and the farmers that grow them!

## Process:

1. Place 2-3 cherries in a bowl of water.
2. Cover with sealable lid or cellophane wrap. Sealing the environment will increase the humidity in the container.
3. Wait 8 or more hours.
4. Examine the cherries and compare the size to cherries that have not been exposed to the sealed water environment.



## What have you found?

Test this with other fruits, such as: grapes or cherry tomatoes. What impact does osmosis have on these fruits, compared to the cherries?

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