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Essay from the

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year 2018 in the subject Biology - General, Basics, language: English, abstract: The aim of this paper is to investigate the change in mass potato strips over a period of two hours when immersed in distilled water

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(hypotonic solution) and salty water (hypertonic solution).

Research

Question: How does the size of potato strips when immersed in both distilled water and salty water change

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over a period of 2
and half hours
measured at 30
minutes
intervals?

Background
Information:

Osmosis is one of
the physiological
processes in
living organisms,
among them
active transport

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and diffusion.

Osmosis is the movement of water molecules from a region of low concentration to a region of high concentration across the semi-permeable membrane. In plants it makes cells to be turgid

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while in animals it offsets the osmotic pressures in the cell. Plant cells are hypertonic because they have a cell sap, so when they are put in distilled water (hypotonic solution), it absorbs water by

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osmosis, swells up and become turgid. They do not burst because they have a cell wall that develops a wall pressure that balances the turgor pressure exerted by turgid cells. As the plant gains turgidity, its volume increases

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until it achieves maximum turgidity, water will then start moving out of the cell to balance the pressure in the cells and outside environment.

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countries. The tasks
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were several; to
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