



# Biology Toolkit: Indicator 1.5.5

Student Handout: Biology: Indicator 1.5.5

## Goal 1.0 Skills And Processes

Expectation 1.5 The student will use appropriate methods for communicating in writing and orally the processes and results of scientific investigation.

Indicator 1.5.5 The student will create and/or interpret graphics. (scale drawings, photographs, digital images, field of view, etc.)

## Public Release - Selected Response Item - Released in 2009

Biology Indicator 1.5.5

The diagram below shows an animal cell in a beaker containing a solution of sugar and water. The cell membrane is permeable only to water.

Which statement describes the relationship between the animal cell and the contents of the beaker?

- A. There is a higher concentration of water inside the cell than outside the cell.
- B. There is a higher concentration of sugar inside the cell than outside the cell.
- C. There is an equal concentration of water inside the cell as outside the cell.
- D. There is an equal concentration of sugar inside the cell as outside the cell.

Correct Answer

- A. There is a higher concentration of water inside the cell than outside the cell.

## Item

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