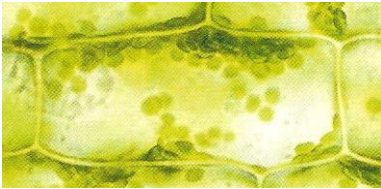


Osmosis

GLE 0707.1.1 Make observations and describe the structure and function of organelles found in plant and animal cells.
GLE 0707.1.5 Observe and explain how materials move through simple diffusion.
GLE 0707.Inq.3 Synthesize information to determine cause and effect relationships between evidence and explanations.
GLE 0707.Inq.5 Communicate scientific understanding using descriptions, explanations, and models.



Two students prepared a wet mount to observe using a microscope.

1. Explain the procedure they used to view the cell shown above.

2. What type of cell is shown? Explain how you know.

3. One of the students wanted to know what would happen to the cell if the wet mount were made with 10% salt water instead of tap water. Draw a picture of the cell in salt water. Explain what happens to the cell.

Learn More Online

- Watch a video of osmosis in elodea and other organisms at [http://www.linkpublishing.com/video-transport.htm#Elodea -
Osmosis](http://www.linkpublishing.com/video-transport.htm#Elodea-_Osmosis)
- Watch a video of osmosis in elodea at http://www.csun.edu/scied/7-microscopy/elodea_plasmolysis/index.htm