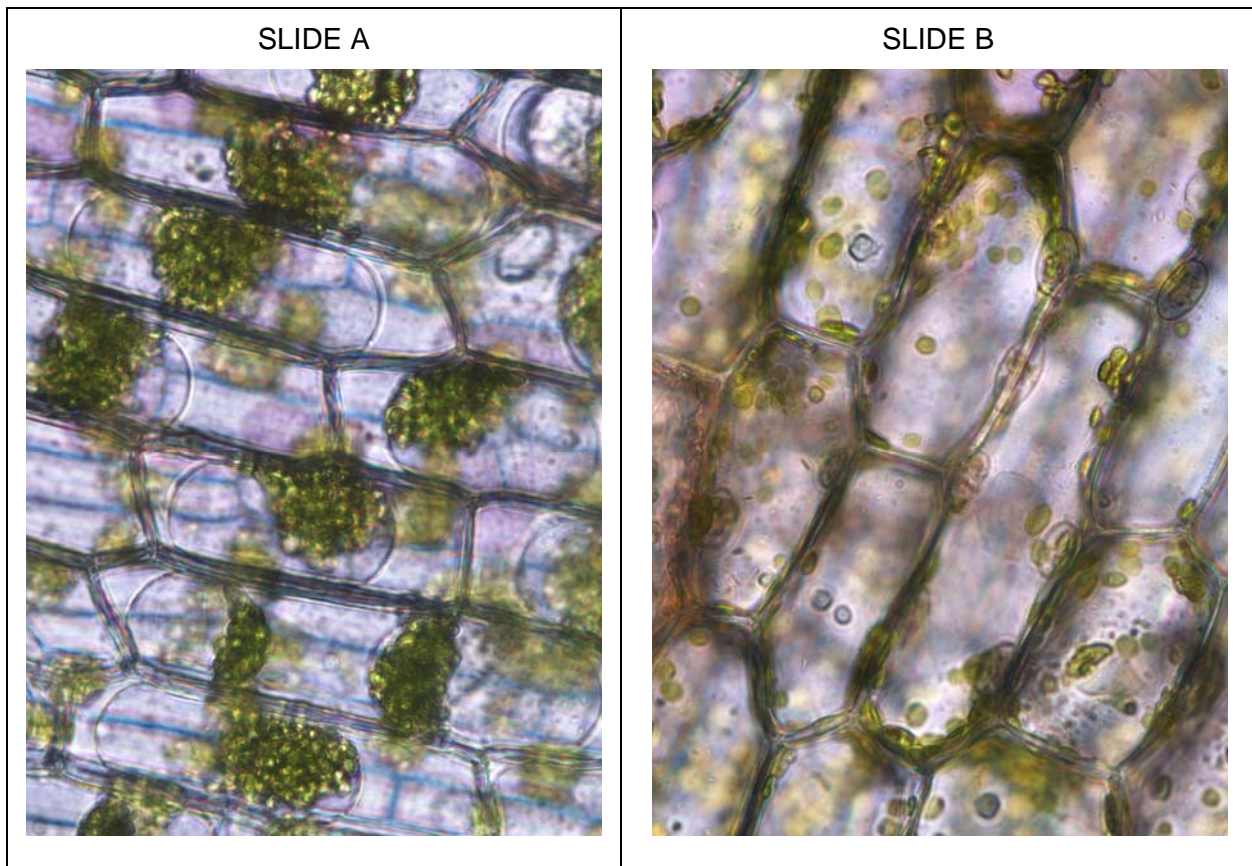


CELLS ONLINE WORKSHEET

TOPIC

PLASMOLYSIS IN ELODEA

Elodea is a fresh water plant commonly used as vegetation in ponds and freshwater fish tanks. *Elodea* leaves were viewed under a light microscope at 400x magnification in either fresh pond water or in salt water. Water molecules will diffuse across the plasma membrane of cells if the solute concentration changes inside or outside the cell.



Download this page, place in your notebook and answer the following questions.

Q1: Which slide shows cells in fresh water? **Slide A** or **Slide B**. Suggest a reason for your answer.

Q2: Which slide shows cells in salt water? **Slide A** or **Slide B**. Suggest a reason for your answer.

Q3: The term used to describe what you observe in the cells in salt water is **plasmolysis**. Explain why the water molecules moved the direction they did for plasmolysis to occur.