

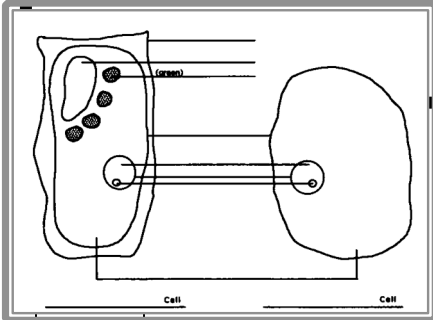
# LIFE 5 CELLS 3

Science 8 November 2017

Mrs. Plyter [plyter.com/science](http://plyter.com/science) [plyterj@miltfree.k12.or.us](mailto:plyterj@miltfree.k12.or.us)

Name \_\_\_\_\_

Period \_\_\_\_\_



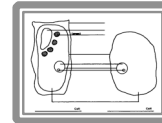
28



29

**McGraw Hill  
ConnectEd**  
Osmosis: 5 \_\_\_\_\_

**Cells Study  
Diagram:**  
In *Google Classroom*



Label Parts. Add Parts & functions. 1-2 ea = \_\_\_\_\_

30

1

**If Time:**  
**Prefixes – Suffixes**  
**+ Vocabulary:**  
**Google Classroom:**  
**Science 8 Vocabulary**  
**Spreadsheet**  
Add terms. \_\_\_\_\_

**Diffusion & Osmosis  
Cells in Salt Water?**

See the Back of this Calendar:  
15 \_\_\_\_\_

**Online:**  
Get a Screen Check!

**1) BBC Diffusion &  
Osmosis:** Life → BBC  
5 \_\_\_\_\_

**2) PBS Osmosis:** 5 \_\_\_\_\_  
Life → PBS Osmosis  
Run to **equilibrium**.

**How many water (H<sub>2</sub>O)  
molecules?**

- Before: Left \_\_\_\_\_  
Right \_\_\_\_\_
- Held by **each** sodium (Na) atom? \_\_\_\_\_
- By **all** Na atoms? \_\_\_\_\_
- After: How many “free” water molecules on  
Left \_\_\_\_\_  
Right \_\_\_\_\_

**3) Discovery Education:**  
**Introduction to Diffusion  
& Osmosis: Watch 5** \_\_\_\_\_

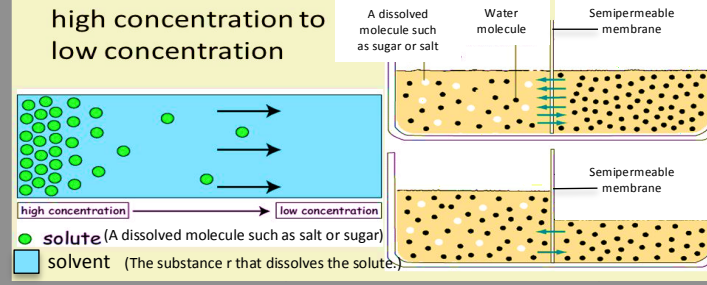
1) **Hypotonic** = \_\_\_\_\_ salt  
Water moves \_\_\_\_\_  
Cells \_\_\_\_\_

2) **Isotonic** = \_\_\_\_\_ salt  
Water moves \_\_\_\_\_  
Cells \_\_\_\_\_

3) **Hypertonic** = \_\_\_\_\_ salt  
Water moves \_\_\_\_\_  
Cells \_\_\_\_\_

**Diffusion & Osmosis**

- **Diffusion:** Movement of solute from an area of high concentration to low concentration
- **Osmosis:** Diffusion of water through a membrane.



**Points  
Objective**

**Diffusion &  
Osmosis**  
On Back of Calendar

**Online:**  
**BBC-PBS-DE-MH**

**Cell Study  
Diagram**

**Quizzes:**  
With one Other Person  
initial in Color

Mon \_\_\_\_\_

Tue \_\_\_\_\_

Wed \_\_\_\_\_

Thur \_\_\_\_\_

Fri \_\_\_\_\_

Total \_\_\_\_\_

**Central Science Home Page** [www.plyter.com/science](http://www.plyter.com/science)

Online Texts **McGraw Hill ConnectEd** and **Discovery Education**

*Discovery Education* → Introduction to Diffusion and Osmosis (Video)

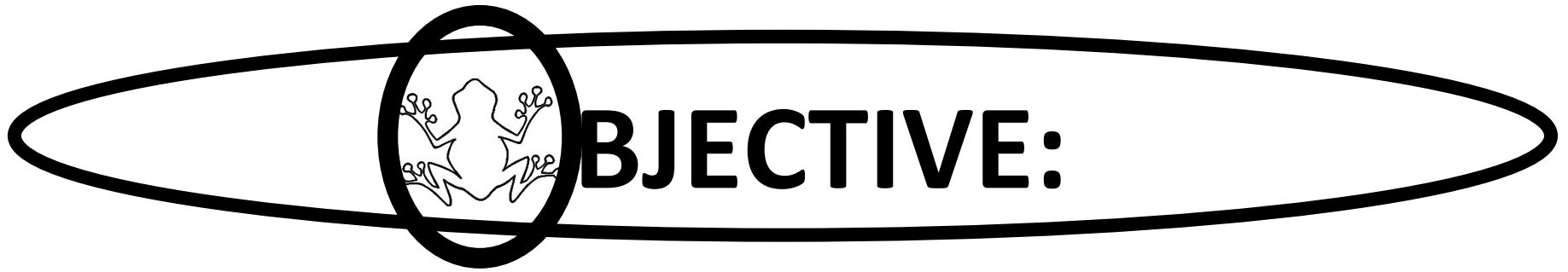
*McGraw Hill ConnectEd* → Interactives → Osmosis

**Life Science:** BBC → *BBC Diffusion & Osmosis*  
PBS → *Osmosis*

**Google Classroom** *Google Page* → Code: be5upi

**DAILY QUIZ:** Practice Tests → *QuizLab*: plyter18 + Your ID#





Write the Objective: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Diffusion and Osmosis:**

**Cells in Salt Water?** Cells have (and need) some salt dissolved in their cytoplasm. Too little or too much salt is dangerous to cell health. Expose a variety of cells to different concentrations of salt water. Organize your results in a chart or numbered lists.

A. Evidence: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

B. Inference: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

C. Next: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



## **OBJECTIVE:**

I will better understand the responsibilities (functions) of organelles (parts) of cells through the use of, investigation, modeling, & images.