

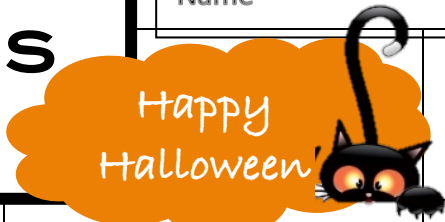
# LIFE 2 CELLS

Science 8 October -November 2018

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Name \_\_\_\_\_

Period \_\_\_\_\_



Thu

29



30

### Introductions:

Fill in the blanks on the back of this Calendar  
Video: →LifePage  
→Cells Page

### Intro to the Cell Theory

### Plant & Animal Cells:

Fill in the table on the back of this calendar.

- 1) Video: Plant & Animal Cells in Under a Minute \_\_\_\_\_
- 2) Plant Cell Lab: Focus and Drawing \_\_\_\_\_
- 3) Animal Cell Lab: Focus and Drawing \_\_\_\_\_

### If Time:

#### Cell Diagram:

On Paper or in Google Classroom \_\_\_\_\_

#### How does Salt Affect Cells?

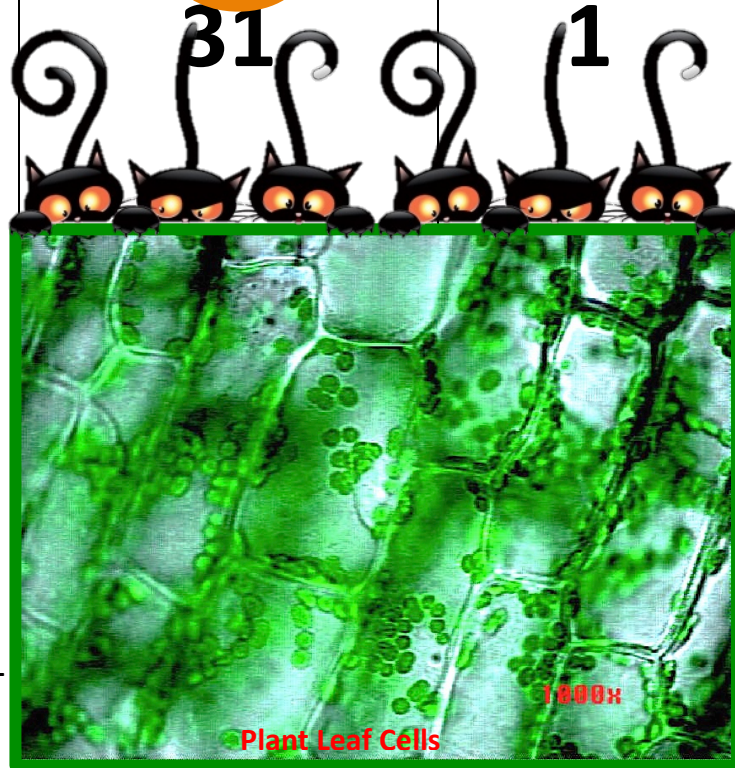
Design & investigate!

### Plant Cells Photo:

Use a sharp pencil and a straight edge to **extend** the below lines to label the cell parts at right. ↘

**Do not cross any lines.**

- Cell Wall \_\_\_\_\_  
 Cell Membrane \_\_\_\_\_  
 Chloroplast \_\_\_\_\_  
 Cytoplasm \_\_\_\_\_  
 Nucleus \_\_\_\_\_  
 5 \_\_\_\_\_



Plant Leaf Cells

31

1

Yes.. Another cartoon 4 u..

A mathematical question for you. Do we divide or multiply?



### Explain↓

Cells reproduce by cell division. We also call it multiplication, because the result is    X as many cells.

### Do the math!

If 1 cell reproduces for 5 generations, there will be    cells;  
 10 generations?    cells.

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

Plant and Animal Cells in Under a Minute →Life→Cells→

Intro to Cell Theory →Life→Cells→ &/Or Discovery Education

Google Classroom→ Cell Diagram Google Page→ Class Code: wpbz4cp

Daily Quiz: Practice Tests→ QuizLab: plyter19 + Your ID#

Discovery Education: Intro to Cell Theory Username = 23yearlastf Student #

McGraw Hill Connect Ed: Try to sign in. Ask!!



**Points**  
 Calendar Points:  
 Objective,  
 Cell Theory,  
 Cartoon & Photo

**Plant and Animal Cells**  
 Microscope Labs  
 + Table on  
 Calendar Back

**Organization Points (25)**  
 (see last week)  
 + 5 for McGraw Hill  
 Connect Ed Login  
 Ask!

### Quizzes:

Mon \_\_\_\_\_

Tues \_\_\_\_\_

Wed \_\_\_\_\_

Thur \_\_\_\_\_

Total \_\_\_\_\_



# OBJECTIVE:

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Cell Theory:** Watch the **Intro to Cell Theory** Video. Find it at →Life→Cells Page, or on Discovery Education

Before the \_\_\_\_\_-scope, people believed in **Spontaneous** (sudden unexplained) **Generation** (production), which meant living things came from nonliving things. They thought \_\_\_\_\_ came from \_\_\_\_\_, and \_\_\_\_\_ came from \_\_\_\_\_.

The **Cell Theory** was developed \_\_\_\_\_ (before/after?) the microscope. Scientists could then see tiny parts of living things they named \_\_\_\_\_.

The **Cell Theory** says **CELLS** are the basic unit of **life and all living things**. The **Cell Theory** has three parts:

1. All living things are made up of \_\_\_\_\_,
2. \_\_\_\_\_
3. Cells **ONLY** come from \_\_\_\_\_

**Plant & Animal Cells:** watch the video, Plant & Animal Cells in Under a Minute. (Find it at Science→Life→Cells→). View cells in the Microscope. Use the text. Search.

Organelle	Could you see it in the microscope?	Eukaryotes (have a nucleus)		Organelle Function (What does it do?):	Found in Prokaryotes? (have no nucleus)
		Found In Plant Cells?	Found in In Animal Cells?		
Nucleus		Yes	Yes		
Mitochondria					
Chloroplasts					
Vacuoles					
Cell Membrane					
Cell Wall					
Cytoplasm					
DNA					



To better understand the Cell Theory and the responsibilities of cell organelles (parts) through the use of microscopes, observations, drawings, models, references & photos.