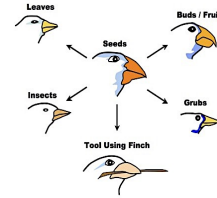


# CHANGE-OVER-TIME & CLASSIFICATION

SCIENCE 8 FEBRUARY 2020 MRS. PLYTER  
PLYTER.COM/SCIENCE



Name \_\_\_\_\_

Period \_\_\_\_\_

# 10

## Peppered Moths

Science → Life Science →

Try both Forests

Forest Light ↓ Dark ↓

Light Moth \_\_\_\_\_% \_\_\_\_\_%

Dark Moth \_\_\_\_\_% \_\_\_\_\_%

## Darwin's Finches

### Review

#### Reproduction:

Write Sexual (S) or Asexual (A) by each:

- Mitosis \_\_\_\_\_
- Meiosis \_\_\_\_\_
- 1 Parent \_\_\_\_\_
- 2 Parents \_\_\_\_\_
- Clone \_\_\_\_\_
- Identical to Parent(s) \_\_\_\_\_
- Variation \_\_\_\_\_
- Blended \_\_\_\_\_
- Sex Cells \_\_\_\_\_
- N = # of Chromosome Pairs  
10. 1N + 1N → 2N \_\_\_\_\_  
2N → 2N \_\_\_\_\_



Paper Mouse Lab  
Change-Over-Time

# 12

NOVA  
Evolution Lab

# 13

Classification  
Trees Handout



Heart Shaped Flowers For You!

# 14

### Change Over Time—

*Evolution means the CHANGES that occur in a specific population OVER an extended period of TIME. Evolution is a scientific theory, meaning it is an explanation supported by overwhelming evidence. Scientists study evidence before and after developing hypotheses and then theories. They continue to study evidence to refine hypotheses and theories. Evidence is what Scientists do. Studying evidence and forming hypotheses is what we all do.*

### Central Science Page

[www.plyter.com/science](http://www.plyter.com/science)

Have Screen Check, Screenshot or Photo.

#### Life Science →

- Peppered Moths
- Natural Selection Video

- Darwin's Finches... \_\_\_\_\_
- NOVA: The Evolution Lab (Play Game)  
Mission 1 \_\_\_\_\_ 2 \_\_\_\_\_ + \_\_\_\_\_

If Time: See Assignments. Write what you do.

Life Science → Mice Evolution: Pocket \_\_\_\_\_ Rock \_\_\_\_\_ Beach \_\_\_\_\_

Discovery Education → Eating like a bird. \_\_\_\_\_

McGraw-Hill → \_\_\_\_\_

Discovery Education 24yearlastf Student #

Google Page → Google Classroom Class Code: yzbzxN

Practice Tests → mygradebook.com

plyter20 Your ID#



## Points

### Calendar:

Objective

Highlight as you Read.  
+ Fill in the Blanks.

Moths & Finches

Paper Mouse Lab  
+ Analysis on Google Classroom

NOVA Evolution Lab

Classification Trees  
Worksheet

Extra

Quiz Points  
Initial in Color

Mon \_\_\_\_\_

Tue \_\_\_\_\_

Wed \_\_\_\_\_

Thu \_\_\_\_\_

Total \_\_\_\_\_

What2Learn

Fri \_\_\_\_\_

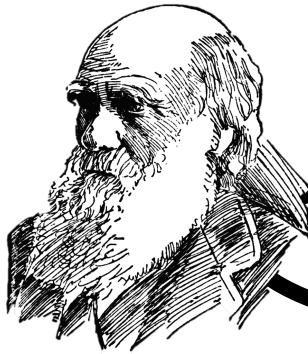
### Match

Write meaning of the prefix.

#### Word List:

self, same, different, different, without, life, before(first), again, center(nut), new(true)

11. a-sexual  
\_\_\_\_\_ combining of DNA
12. hetero-troph  
\_\_\_\_\_ feeding
13. homo-zygous  
\_\_\_\_\_ genes for a trait
14. auto-troph  
\_\_\_\_\_ feeding
15. re-cycle  
\_\_\_\_\_ use
16. vari-ation  
\_\_\_\_\_ of traits
17. bio-mass,  
\_\_\_\_\_ material  
bio-logy  
\_\_\_\_\_ study
18. nuc-leus  
\_\_center\_\_ part
19. pro-karyote  
\_\_\_\_\_ nucleus
20. eu-karyote  
\_\_\_\_\_ nucleus



Charles Darwin



Write the objective:

---

---

---

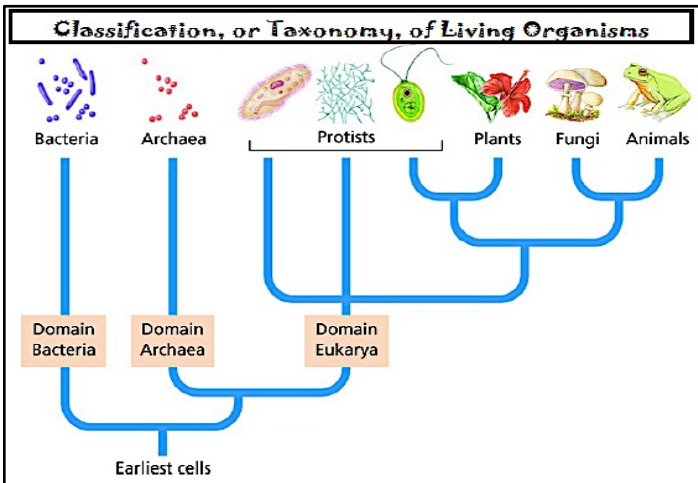
---

---

---

---

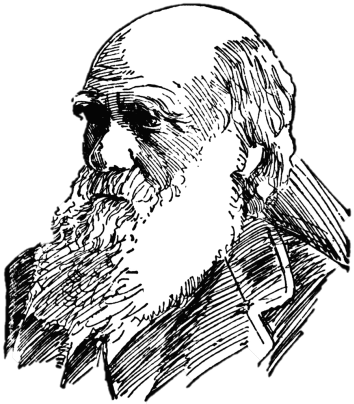
---



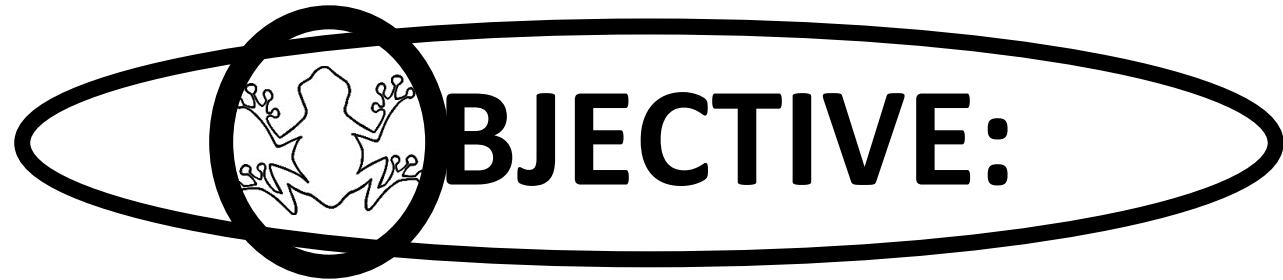
<p><b>Archaeobacteria</b></p> <ul style="list-style-type: none"> <li>Do not have nuclei, can be found in deep ocean vents</li> <li>All are single celled organisms (Extremophiles).</li> <li>Form yellow rings around hot springs where temperatures are 90 degrees Celsius (194 degrees F)</li> </ul>	<p><b>Eubacteria</b></p> <ul style="list-style-type: none"> <li>Do not have nuclei, some cause disease</li> <li>Escherichia coli (E. Coli)</li> <li>Prokaryotes that may be found in the human body</li> <li>All are single celled organisms</li> </ul>
<p><b>Protista</b></p> <ul style="list-style-type: none"> <li>All eukaryotes that are not plants, animals or fungi</li> <li>Most are single celled organisms (Protozoans)</li> <li>Algae</li> <li>Mostly microscopic and live in water</li> </ul>	<p><b>Fungi</b></p> <ul style="list-style-type: none"> <li>Break down materials outside their bodies and then absorb the nutrients</li> <li>Mushrooms</li> <li>Molds</li> </ul>
<p><b>Plantae</b></p> <ul style="list-style-type: none"> <li>Use sun's energy to make sugar</li> <li>Usually green</li> <li>Pine Trees</li> </ul>	<p><b>Animalia</b></p> <ul style="list-style-type: none"> <li>Complex organisms with no cell walls</li> <li>Have specialized sense organs</li> </ul>

### Your Grade for Last Week:

	Yours	Required
Objective-Grade-Blanks	_____	10
Calendar- Front + Back	_____	20
Density of Liquid	_____	10
Design a Barge	_____	10
Float a Barge	_____	30
Quizzes	_____	32
What2Learn	_____	10
Extra	_____	
<b>Total</b>	_____	<b>122</b>
Yours / Required X 100 = your %		
_____ / _____ X 100 = _____%		
Look up in the Gradebook _____%		
Better or Worse?		



Charles Darwin



Demonstrate an understanding of the classification of living things and how natural selection results in the evolution of traits, or Change-Over-Time, by participating in, graphing the data of, and analyzing environmental change using simulations.