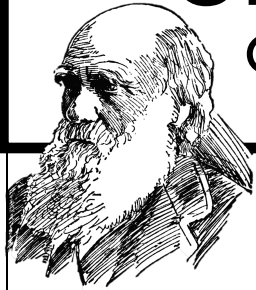


# CLASSIFICATION & CHANGE-OVER-TIME

Science 8 April 2018 Mrs. Plyter plyter.com/science

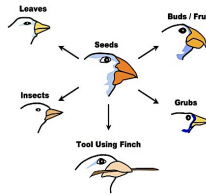


## Charles Darwin

found different species of Finches during his travels to the Galapagos Islands in the 1830's.

He identified birds that were very similar, except for their beak. There is **evidence** that volcanic activity had divided their island and that the original finches were divided into new populations on the different islands with different plants to eat.

The variation in beaks is **evidence** that the birds best able to eat lived, reproduced and passed on their traits. Tiny variations, or **change over time**, led slowly to beaks "designed" for the food available.



Name \_\_\_\_\_

Period \_\_\_\_\_

2

Plant Collection



Paper Mouse Lab  
Change-Over-Time

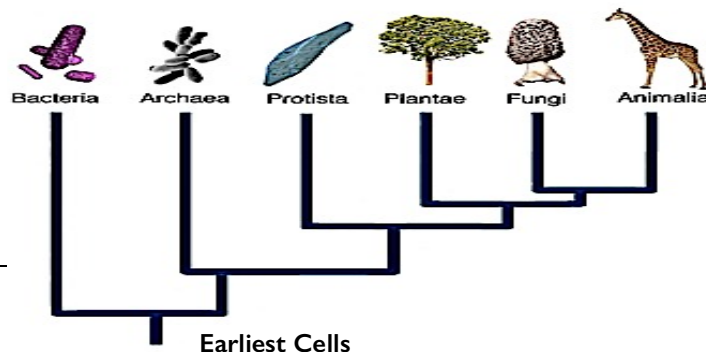
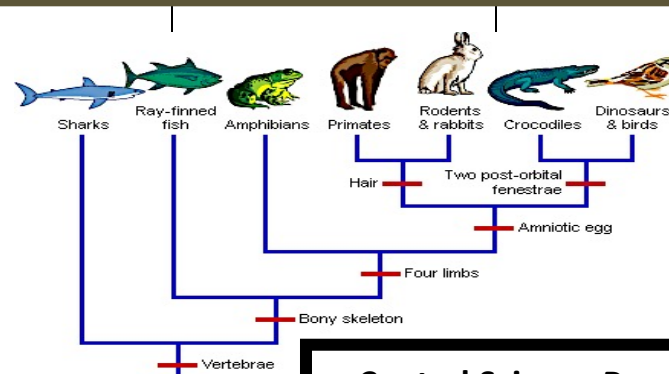
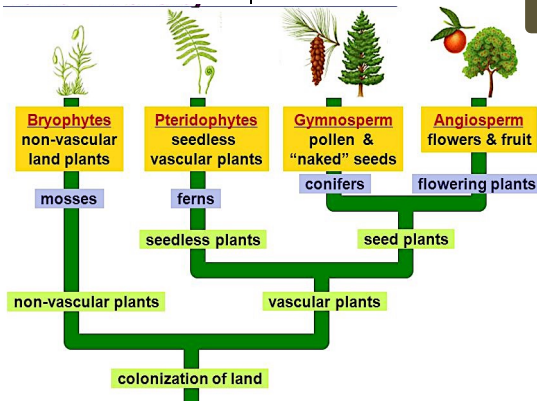
4

5

6

## 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.



Points Objective

Plant Collection

Paper Mouse Lab

Moths & Finches

NOVA Evolution Lab

Calendar

Front & Back

- 1) ← Highlight or Underline important terms.
- 2) ← Add Invertebrates with branched line(s).
- 3) ← Connect Classification Trees with arrows.
- 4) Fill in Blanks →.

Quiz Points

Initial in Color \_\_\_\_\_

Mon \_\_\_\_\_

Tue \_\_\_\_\_

Wed \_\_\_\_\_

Thu \_\_\_\_\_

Fri \_\_\_\_\_

Total \_\_\_\_\_

## Central Science Page

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

Have Screen Check, Screenshot or Photo.

### Life Science →

#### Peppered Moths...

Forest	Light	Dark
Light Moth	___%	___%
Dark Moth	___%	___%

#### Darwin's Finches...

NOVA: The Evolution Lab (Play Game)

Mission 1 \_\_\_\_\_ 2 \_\_\_\_\_ + \_\_\_\_\_







## **OBJECTIVE:**

Demonstrate an understanding of the classification of living things and how natural selection results in the evolving of traits, or Change-Over-Time, by collecting and classifying a variety of plants and by participating in, and graphing the data of, an environmental change simulation.