



Science Virtual Learning

LEP Science

Evolution Virtual Lab Activity Part 1

April 27, 2020



LEP Science
Lesson: April 27, 2020

Objective/Learning Target: I can explain how Natural Selection and Evolution have occurred in Lizard populations found in the same ecosystem.



Let's get started

In today's lesson, you will be applying what you have learned about evolution by performing a virtual experiment with real data collection and analysis.

This virtual lab has 4 parts (modules), you will only be doing Module 1 today.

Be sure to read all directions and record answers in the student worksheet (or on a sheet of paper).



Lesson Activity

[Student worksheet](#) Open this up and read the questions for Module 1, these are the questions you need to answer today.

[Lizard evolution interactive](#) When you open this interactive up, you will need to “Launch” the activity. Read the introduction page before going into the Modules. The answer to question 4 can be found on this first page.

Go only in to Module 1: Ecomorphs. Follow the directions to perform the activity and answer the questions on your student worksheet.



Answers to Student Worksheet

1. Answers will vary by individual
2. Toe pad size (habitat), Leg Length (speed and agility), Color (camouflage), Dewlap color (mating)
3. The example was grass: in the grass, the green coloring allows for camouflage from predators.
4. Ecomorphs-groups of organisms according to body characteristics (morphology) and the ecological niches they occupy (ex: Lizards and leg length)
5. Ecomorphs contain many different species in the same ecosystem
6. Toe pad Lamellae are indicative of where in the tree the lizard's niche is.