

Study Guide for Exam 3

Tuesday, April 16, 2019

This study guide will grow with a new section added after each lecture, so please revisit it often! Pace your studying so that you master each set of concepts before the next lecture.

Tuesday, March 12: Introduction to Natural Selection

- What are the three ingredients required for natural selection?
- What is the result of natural selection?
- When does natural selection not lead to evolution?
- What is the difference between viability and fecundity?
- Define fitness (Darwinian fitness, not physical fitness)
- Does “survival of the fittest” accurately describe natural selection? Why or why not?
- What tends to happen to populations of daisies that become established on small islands?
- Why did soapberry bugs in Florida evolve smaller beaks whereas those in south-central US evolved larger beaks?