

Darwinian Snails

Part 1: Snail Shells

Have the shells of flat periwinkles in New England grown thicker in the last century?

- The Importance of Shell Thickness
- Histograms
- Have Shells Become Thicker?
- Summary of Part 1

Part 2: Evolution by Natural Selection

Could crab predation cause flat periwinkle shell thickness to change over time?

- A Population of Periwinkles
- A Happy Crab Is Well Fed
- Snails Evolve
- Summary of Part 2

Part 3: Requirements for Natural Selection

What must happen in order for evolution by natural selection to occur?

- How Does Natural Selection Work?
- Variation
- Inheritance
- Differential Survival
- Darwin's Theory
- Summary of Part 3

Part 4: The Source of Variation

How does variation arise in populations?

- Mutation
- What If There Was No Mutation?
- Mutation in Snails
- Summary of Part 4

Part 5: Testing For Natural Selection

How can you discover if a population is evolving by natural selection?

- Appledore Island Revisited
- Seeley's Experiments
- More to the Shell Story
- Summary of Part 5

Part 6: Quiz Questions

Quiz Questions

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