

Amplify Natural Selection Unit Assignment Checklist

Chapter 1: Environmental Change and Trait Distribution

Lesson 1.1: Pre-Unit Assessment

- Must be completed in class

Lesson 1.2: The Mystery of the Poisonous Newts

- Warm-Up
- Observing Traits
- Reflection
- Homework

Lesson 1.3: Exploring Variation and Distribution in Populations

- Warm-Up
- Exploring Variation and Distribution in the Sim
- Building Histograms
- Homework

Lesson 1.4: Investigating Changes in Trait Distribution

- Warm Up
- Observing Fur Traits and Temperature in the Sim
- Testing Predictions in the Sim
- Homework

Chapter 3: Mutation and Adaptive Traits

Lesson 3.1: Introduction to Mutations

- Warm Up
- Discussing Annotations
- Homework

Lesson 3.2: Mutations in a Population

- Warm Up
- Rereading Mutations
- Investigating Mutant Fur Traits in the Sim
- Reflection
- Homework

Lesson 3.3: Wrapping Up the Mystery

- Warm Up
- Preparing a Final Model
- Homework
- Self-Assessment

Chapter 2: Natural Selection and Reproduction

Lesson 2.1: Reproduction and Traits

- Warm Up
- Reproduction in the Sim
- Traits Over Generations
- Reflection

Lesson 2.2: Survival and Reproduction

- Warm Up
- Observing Reproduction in the Sim
- Responding to Sherman
- Homework

Lesson 2.3: "The Deadly Dare"

- Warm Up
- Discussing Annotations
- Homework

Lesson 2.4: Reasoning About the Newt Mystery

- Warm Up
- Rereading "The Deadly Dare"
- Reasoning About the Rough-Skinned Newts
- Homework

Lesson 2.5: Critical Juncture Assessment

- Must be completed in class

Lesson 2.6: Reviewing Key Ideas About Natural Selection

- Warm Up
- Investigating Adaptive Traits
- Understanding Reproduction and Adaptive Traits
- Self-Assessment

Chapter 4: Science Seminar

Lesson 4.1: Examining Evidence About Sticklebacks

- Warm Up

Lesson 4.2: Engaging in a Science Seminar

- Homework

Lesson 4.3: Writing a Scientific Argument

- Warm Up
- Writing a Scientific Argument
- Homework
- Self-Assessment

Lesson 4.4: End-of-Unit Assessment

- Must be completed in class