

## Lesson 5: Explain

**Big Idea:** Populations with more genetic diversity (favorable traits) are more likely to survive changes in the environment.

**Lesson Objective:** Students will craft a well written mini essay explaining how genetic diversity is favorable in natural selection.

**Lesson Series Essential Question:** How can humans mimic natural selection by designing an organism to be better suited for its environment?

**Materials Needed:** Paragraph Frames  
Student Data / scientific notebooks

**Lesson Flow:**

Students will construct a mini essay (3-4 paragraphs) to answer the essential question using the paragraph frames. Students will use evidence from their Engage, Explore, and Explain activities. Evidence must be presented in both qualitative and quantitative forms.