

Argument Tool

Question

What is the question that you are investigating?

What's the best explanation for the similarities and differences we see in individuals within a species—not only for one species, but for every species of plant and animal?

<p style="text-align: center;">Claim A</p> <p>What is a claim you could argue? Parents is the best explanation for the similarities and differences we see in individuals within a species.</p>	<p style="text-align: center;">Claim B</p> <p>What is a claim you could argue? Genes is the best explanation for the similarities and differences we see in individuals within a species.</p>	<p style="text-align: center;">Claim C</p> <p>What is a claim you could argue? Mutation is the best explanation for the similarities and differences we see in individuals within a species.</p>
<p>The evidence that supports this claim is...</p>	<p>The evidence that supports this claim is...</p>	<p>The evidence that supports this claim is...</p>

Scientific Reasoning: Evaluating the Evidence and Claim

<p>Use science ideas to critique the quality and strength of the evidence that supports the claim.</p>	<p>Use science ideas to critique the quality and strength of the evidence that supports the claim.</p>	<p>Use science ideas to critique the quality and strength of the evidence that supports the claim.</p>
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Adapted from the Regents of the University of California

Synthesize and Summarize Key Science Ideas

8. **The unit central question is:** What's the best explanation for the similarities and differences we see in individuals within a species—not only for one species, but for every species of plant and animal?

Use the three explanations and evidence from all the lessons to write a scientific argument that answers the focus question. Use the Argument Tool on the next page to help organize your ideas.

Argument Tool continued

Constructing a Scientific Argument

Write a scientific argument that includes:

- The scientific question
- Your claim (use ideas from all three claims that are best supported by evidence, science ideas, and reasoning)
- Relevant evidence that supports your claim
- Relevant science ideas
- Scientific reasoning that critiques the evidence and evaluates your claim

Scientific Argument

Rebuttal

Write a rebuttal that explains why each of the three claims alone is insufficient to answer the question.