Name _____

Explanation Tool

Question

What is the scientific question you are investigating?

Evidence What are the science observations or data that address your question?	**Science Concepts** What science concepts are connected to the evidence and might help answer the question?

Scientific Reasoning

How do the science concepts connect to the evidence and to the question you are trying to answer?

Claim

What claim can you make based on the evidence and reasoning?

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Explanation Tool

Continued

Name _____

Construct a Scientific Explanation

Using the information in the boxes you have completed, write a scientific explanation that includes:

- The scientific question
- Your claim
- Relevant evidence that supports your claim
- Science concepts that are connected to the evidence
- Scientific reasoning that links the evidence and science concepts to the claim

Scientific Explanation

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