

## Claim Evidence Reasoning Worksheet Questions and Answers PDF

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### Part 1: Building a Foundation

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**What is the primary purpose of a claim in the CER framework?**

*Hint: Think about what a claim is meant to do.*

- To provide evidence
- To make an assertion ✓**
- To analyze data
- To summarize findings

■ The primary purpose of a claim is to make an assertion.

**Which of the following are types of evidence used in the CER framework?**

*Hint: Consider different forms of evidence that can support a claim.*

- Empirical evidence ✓**
- Quantitative evidence ✓**
- Anecdotal evidence ✓**
- Qualitative evidence ✓**

■ Types of evidence include empirical, quantitative, anecdotal, and qualitative evidence.

**Define reasoning in the context of the CER framework and explain its role.**

*Hint: Think about how reasoning connects claims and evidence.*

**Reason reasoning explains how the evidence supports the claim, linking the two together.**

**List two characteristics of a strong claim.**

*Hint: Consider what makes a claim effective.*

1. Characteristic 1

**Clear and specific**

2. Characteristic 2

**Debatable**

**A strong claim is clear and specific, and it is debatable.**

**What type of evidence is described as numerical data or measurements?**

*Hint: Think about the nature of the data.*

- Qualitative evidence
- Empirical evidence
- Quantitative evidence ✓**
- Descriptive evidence

**Quantitative evidence is described as numerical data or measurements.**

## Part 2: Application and Analysis

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You are given data showing that plants grow faster in red light than in blue light. What would be an appropriate claim based on this evidence?

*Hint: Consider what the data suggests about light and plant growth.*

- Plants do not need light to grow.
- Red light is more effective for plant growth than blue light. ✓
- Blue light is harmful to plants.
- All plants grow at the same rate.

■ An appropriate claim would be that red light is more effective for plant growth than blue light.

When applying the CER framework to a historical analysis, which elements are crucial for constructing a strong argument?

*Hint: Think about what makes an argument in history strong.*

- Reliable historical documents as evidence ✓
- A clear thesis statement as the claim ✓
- Logical reasoning connecting evidence to the thesis ✓
- Personal opinions as evidence

■ Key elements include reliable historical documents, a clear thesis statement, and logical reasoning.

Describe how you would apply the CER framework to argue the benefits of renewable energy sources.

*Hint: Consider the claim, evidence, and reasoning you would use.*

■ You would state a claim about renewable energy, provide supporting evidence, and explain the reasoning.

**In a scientific experiment, why is it important to distinguish between qualitative and quantitative evidence?**

*Hint: Think about the types of data and their implications.*

- To ensure the experiment is entertaining
- To balance subjective and objective data ✓**
- To provide a variety of data types
- To simplify the experiment

■ It is important to balance subjective and objective data.

**Analyze the following scenario: A student claims that studying with music improves concentration. Which pieces of evidence would strengthen this claim?**

*Hint: Consider what types of evidence are most relevant.*

- A survey of students who prefer studying with music
- A study showing improved test scores with background music ✓**
- Personal anecdotes about music preferences
- Research on the effects of music on cognitive performance ✓**

■ Evidence that shows improved test scores and research on music's effects would strengthen the claim.

**Analyze the reasoning process in the following argument: "Because the data shows a decrease in pollution levels after implementing stricter regulations, it can be concluded that these regulations are effective."**

*Hint: Think about the connection between evidence and conclusion.*

■ **The reasoning connects the evidence of decreased pollution to the effectiveness of regulations.**

### Part 3: Evaluation and Creation

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**Which of the following best evaluates the strength of a CER argument?**

*Hint: Consider what makes an argument strong.*

- The length of the reasoning section
- The relevance and reliability of the evidence ✓**
- The complexity of the claim
- The number of evidence pieces provided

**|** The relevance and reliability of the evidence best evaluate the strength of a CER argument.

**Evaluate the following claim: "Implementating a four-day workweek increases productivity." Which factors should be considered to assess this claim?**

*Hint: Think about what data would be relevant.*

- Studies comparing productivity levels in different workweek structures ✓**
- Employee satisfaction surveys ✓**
- Historical data on workweek changes ✓**
- Personal opinions of managers

**|** Factors to consider include studies on productivity levels, employee satisfaction, and historical data.

**Create a CER argument for the following scenario: "The use of digital textbooks in schools enhances student learning."**

*Hint: Consider the claim, evidence, and reasoning you would use.*

**|** You would state a claim about digital textbooks, provide evidence of their effectiveness, and explain the reasoning.

**Propose two real-world scenarios where the CER framework could be effectively applied.**

*Hint: Think about different fields or situations.*

1. Scenario 1

| Scientific research

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2. Scenario 2

| Policy-making

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| The CER framework can be applied in scientific research and policy-making.