

Claim Evidence Reasoning (CER) Guide

Question (from teacher): _____

<p style="text-align: center;">C Claim</p> <p>Write a statement that answers the question.</p>	
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<p style="text-align: center;">E Evidence</p> <p>Scientific data or observations that support your claim. The evidence must be relevant to the question and be enough to convince the reader that you are correct. You can use bullets, a graph, or sentences.</p>	
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<p style="text-align: center;">R Reasoning</p> <p>Use the scientific information or knowledge that we have learned about the topic to explain WHY your evidence supports your claim. Tell the reader why the data means what it says it does. Use scientific terms as needed. This should be a paragraph.</p>	
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CER Rubric

	0	1	2	3
Claim	Does not make a claim or makes an inaccurate claim.	Makes and accurate by incomplete or vague claim.	Makes an accurate and complete claim.	X
Evidence	Does not provide evidence or only provides irrelevant evidence that does not support the claim.	Provides relevant, but insufficient evidence to support the claim. May have some evidence that is not relevant.	Provides relevant and sufficient evidence to support the claim.	X
Reasoning	Does not provide reasoning or provides reasoning that does not link evidence to claim using scientific information.	Provides reasoning that links claim to evidence but does not include the scientific information.	Provides reasoning that links the claim and evidence using some scientific information, but not sufficient.	Provides reasoning that links evidence to claim. Includes relevant and sufficient scientific information.
Total points				
Possible points				7

Need help writing your Reasoning?

Step 1	Restate your claim
Step 2	Provide some scientific principles and/or knowledge that you have about the topic (this can be something we learned in class).
Step 3	Provide data from the activity that connects to the scientific principles you explained in Step 2. Explain that your data can be used to support your claim.
Step 4	Wrap up with a conclusion sentences that begins with a word such as “therefore,” “so,” “thus” and restate your original claim.