

Claims – Evidence – Reasoning Rubric

NGSS Scientific and Engineering Practices #6 and #7 – Scientific Explanation and Argumentation

Component	Level			
	0	1	2	3
<p style="text-align: center;"><u>CLAIM</u></p> <p>Statement or conclusion that answers the question/problem</p>	No response	Does not make a claim or makes an inaccurate claim	Makes an accurate claim but incomplete claim	Makes an accurate claim and complete claim
<p style="text-align: center;"><u>EVIDENCE</u></p> <p>Scientific data that supports the claim. The data needs to be appropriate and sufficient to support the claim.</p>	No response	Does not provide evidence, or only provides inappropriate evidence (Evidence does not support the claim)	Provides appropriate, but insufficient evidence to support the claim. May include some inappropriate evidence	Provides appropriate and sufficient evidence to support the claim
<p style="text-align: center;"><u>REASONING</u></p> <p>Justification that links the claim to the evidence and includes appropriate and sufficient scientific principles to defend the claim and evidence</p>	No response	Does not provide reasoning, or only provides recording that does not link the evidence to the claim	Provides some reasoning to link the claim and evidence. May repeat evidence and/or link it to some scientific principles, but not sufficient	Provides accurate and complete reasoning that links evidence to claim. Includes appropriate and sufficient scientific principles
<p style="text-align: center;"><u>WRITING MECHANICS</u></p> <p>Sentences are complete sentences with proper punctuation, capitalization, and spelling</p>	No response	Does not write in complete sentences. There is limited use of correct punctuation or capitalization. Many words are spelled incorrectly.	Most of the sentences are complete. Uses proper punctuation and capitalization most of the time. Most of the grade level words are spelled correctly.	All of the sentences are complete thoughts. Includes proper punctuation and capitalization. All of the words are spelled correctly.