

Explanation Tool Rubric

Component	Level 3 Proficient	Level 2 Developing	Level 1 Emerging	Level 0 Not Evident
Claim	Claim answers the question, is accurate, and is complete. Completely describes the trend in the relationship between two variables.	Claim does answer the question but it is inaccurate or incomplete.	Claim does not answer the question.	Does not make a claim.
Evidence	Provides appropriate and sufficient evidence to support the claim.	Provides appropriate, but insufficient evidence to support the claim. May include some inappropriate evidence.	Evidence does not support the claim; only provides inappropriate evidence.	Does not provide evidence.
Science Concepts	Includes explanation of science concepts that link evidence to the claim (concepts are appropriate), and science concepts are sufficient (no omission of key concepts) and are clearly stated and accurate.	Includes explanation of some science concepts that link evidence to the claim, but are insufficient (one or more concepts that should have been included are not included) or some are inappropriate.	Restates evidence and does not include explanation of science concepts.	Does not include science concepts.
Scientific Reasoning	Includes logic statements that link the claim, evidence and science concepts (including words such as 'because...' 'therefore...') that clearly demonstrates logical reasoning.	Attempts to include a logic statement that links the evidence to the claim but does not adequately link the evidence to the claim.	Restates evidence or claim and does not include a logic statement that links the evidence to the claim.	Does not include scientific reasoning.