

# Scientific Explanations Rubric

	Not Proficient	Developing Proficiency	Almost Proficient	Proficient
Claim	Does not make a claim.	Does not make a claim that answers the question	Claim answers the question, but is hard to understand.	Claim answers the question clearly.
Evidence	Does not provide evidence, or only provides inappropriate evidence (Evidence that does not support claim).	Provides appropriate, but minimal evidence to support claim. May include some inappropriate evidence.	Provides appropriate, and sufficient evidence to support the claim, but is missing some minor details.	Provides appropriate and sufficient evidence to support claim.
Reason	Does not provide reasoning, or only provides reasoning that does not link evidence to claim.	Provides reasoning that might link the claim and evidence, but does not include scientific principles in the explanation.	Provides reasoning that links the claim and evidence. Repeats the evidence and might include some scientific principles, but not sufficient.	Provides reasoning that links evidence to claim. Includes appropriate and sufficient scientific principles.
Rebuttal	No Rebuttal attempted.	Rebuttal attempted, but inaccurate or incomplete. No evidence was given for why the claim being discussed is not accurate.	Rebuttal attempts to demonstrate that a claim is inaccurate. Provides evidence to show that it is not accurate, but does not provide sufficient data.	Rebuttal clearly demonstrates that an alternate claim is incorrect. It includes sufficient evidence to demonstrate that.