

Base Explanation Rubric (McNeill & Krajcik 2011)

Component	Level		
	0	1	2
<p>Claim A statement that responds to the question asked or the problem posed.</p>	Does not make a claim, or makes an inaccurate claim.	Makes an accurate but incomplete claim.	Makes an accurate and complete claim.
<p>Evidence Scientific data used to support the claim.</p>	Does not provide evidence, or only provides inappropriate evidence (Evidence that does not support claim).	Provides appropriate, but insufficient evidence to support claim. May include some inappropriate evidence.	Provides appropriate and sufficient evidence to support claim.
<p>Reasoning Using <i>scientific principles</i> to show <i>why data count as evidence</i> to support the claim.</p>	Does not provide reasoning, or only provides reasoning that does not link evidence to the claim.	Provides reasoning that links the claim and evidence. Repeats the evidence and/or includes some scientific principles, but not sufficient.	Provides reasoning that links evidence to claim. Includes appropriate and sufficient scientific principles.