|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 5 (Strong) | 4 (Good) | 3 (Fair) | 2 (Weak) | 0 (Absent) |
| **Claim** | * The claim clearly relates to title/question
* The claim is research based
 | * The claim relates to question
* The claim attempts to incorporate research
 | * The claim somewhat relates to the question
* Feeble attempt to incorporate research
 | * The claim in unclear
* No attempt to link claim to research
 | * No claim
 |
| **Evidence****(x 2)** | * All evidence is relevant data or observations from the experiment
* Multiple pieces of evidence are used to back up the claim
* Data is specific and accurate
* Data analysis is specific and accurate
 | * Most evidence is relevant data or observations from the experiment
* Only one piece of evidence is used to back up the claim
* Data is specific and accurate
* Data analysis is specific and accurate
 | * Some evidence is relevant data or observations from the experiment
* Only one piece of evidence is used to back up the claim
* Data is lacking specificity and/or accuracy
* Data analysis is lacking specificity and/or accuracy
 | * Evidence is not relevant data or observations from the experiment
* No evidence is used to back up the claim
* Data is not specific or accurate
* Data analysis is not specific or accurate
 | * No evidence
 |
| **Reasoning** | * Explicit reasoning is provided that links all evidence to the claim
* Data is used to show how and why the evidence supports or refutes the claim
* The claim is clearly referenced throughout the reasoning
 | * Reasoning is provided that links most evidence to the claim
* Data is used to show how and why the evidence supports or refutes the claim
* The claim is clearly referenced, but not throughout the reasoning
 | * Reasoning is provided that links some evidence to the claim
* Data is used to show how and why the evidence supports or refutes the claim
* The claim is referenced but not clearly
 | * Reasoning is weak and does not make a connection between the evidence and the claim
* Data is not used to show how and why the evidence supports or refutes the claim
* The claim is not referenced
 | * No reasoning
 |
| **Overall** | * Appropriate science tone (impersonal/passive/3rd person)
* Organization is logical
* Neat and easy to read
* There are no spelling, grammatical errors
 | * Appropriate science tone (impersonal/passive/3rd person)
* Organization is logical
* Neat and easy to read
* There are 1 or 2 spelling, grammatical errors
 | * Appropriate science tone (impersonal/passive/3rd person)
* Organization is logical
* Neat and easy to read
* There are more than 2 spelling, grammatical errors
 | * Tone is unscientific
* Organization is logical
* Work is sloppy
* There are many spelling, grammatical errors
 | * Many issues exist
 |