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| --- | --- | --- | --- | --- | --- |
|  | 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 |