**Claims, Evidence and Reasoning Rubric**

|  | **4** | **3** | **2** | **1** | **0** |
| --- | --- | --- | --- | --- | --- |
| **Claim** – a conclusion that answers the original question | * Accurate based on the investigation
* Completely answers the question
 | * Accurate based on the investigation
* Nearly completely answers the question
 | * Partially accurate based on the investigation
* Partially answers the question
 | * Is not accurate overall
* Does not adequately answer the question
 | No claimoris not based on the investigation |
| **Evidence** – specific data for the investigation that supports the claim | * The data are scientifically appropriate to support the claim
* The data are complete and convincing – sufficient details and evidence provided
* Provides evidence about why alternate claims do not work
 | * The data are scientifically appropriate to support the claim
* The data are mostly sufficient and convincing, but are somewhat general, lacking specificity and depth
* Alternate claims are not addressed
 | * The data relate to the claim, but are not entirely scientifically appropriate
* The data are insufficient, though generally support the claim
 | * There is some evidence provided, but it is not logically linked to the claim or scientifically appropriate
* The evidence provided is not based on the investigation
 | No evidence providedor is not based on the investigation |
| **Reasoning** – a thorough explanation that ties together the claim and the evidence | * Reasoning clearly links evidence to claim
* Uses appropriate scientific principles to shows why the data support the claim

\*\*Scientific principles need not use academic language at this point, evaluate based on your understanding of the students’ content knowledge. | * Reasoning adequately links claim to evidence
* Includes related scientific principles, but only passably demonstrates why the data support the claim
* Reasoning is general and shows partial depth of content understanding
 | * Reasoning does not adequately link claim to evidence
* Does not demonstrate why the data support the claim
* Shows little depth of content understanding
 | * Reasoning is clearly insufficient and relates only marginally to question and claim at hand
* Scientific understanding is very limited
 | Does not provide reasoningoris not based on the investigation |
| **Language and Vocabulary** | * Clearly and effectively expresses ideas using precise, scientifically appropriate descriptions and vocabulary
* Is free from grammatical errors
 | * Sufficiently expresses ideas and scientifically appropriate descriptions and vocabulary, but they are more general than specific
* Is free from grammatical errors
 | * Inconsistently or inappropriately expresses ideas or scientific descriptions and vocabulary
* Has minor grammatical errors
 | * Scientific language and vocabulary are not precise or appropriate
* Has egregious grammatical errors
 | Not under- standable |

Rubric adapted by Kevin J. B. Anderson from K. McNeill and J. Krajcik, NSTA, and SBAC Argumentative Writing Rubric for grades 6-11