|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | **Claim** | **Evidence** | **Reasoning** |
|  |  | *A statement or conclusion that answers the original question/problem.* | *Scientific data that supports the claim. The data needs to be appropriate and sufficient to support the claim.* | *A justification that links the claim and evidence. It shows why the data counts as evidence by using appropriate and sufficient scientific principles.* |
| **L**  **E**  **V**  **E**  **L** | **0** | Does not make a claim, or makes an inaccurate claim.  (Level 0)  ------------------------------------ | Does not provide evidence, or only provides inappropriate evidence (Evidence that does not support claim).  (Level 0)  --------------------------------------------------------------------------- | Does not provide reasoning, or only provides reasoning that does not link evidence to claim.  (Level 0)  --------------------------------------------------------------------------- |
| **V**  **a**  **r**  **i**  **e**  **s**  **f**  **r**  **o**  **m**  **1**  **to**  **5** | Makes an accurate, but incomplete claim.  (Level 1)  ------------------------------------ | Provides appropriate, but insufficient evidence to support claim. May include some inappropriate evidence.  (Level 1-4)  --------------------------------------------------------------------------- | Provides reasoning that links the claim and evidence. May include some scientific principles, but not sufficient.  (Levels 1-4)  --------------------------------------------------------------------------- |
|  | Makes an accurate and complete claim.  (Level 2)  ------------------------------------ | Provides appropriate and sufficient evidence to support claim. (Level 5)  --------------------------------------------------------------------------- | Provides reasoning that links evidence to claim. Includes appropriate and sufficient scientific principles.  (Level 4)  --------------------------------------------------------------------------- |