The summative assessment can be scored using the criteria indicated below.

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| --- | --- | --- | --- | --- |
|  | **Below Standard/**  **Not Acceptable**  **(0 points)** | **Meets Standard**  **(3 points)** | **Exceeds Standard**  **(5 points)** | **Score** |
| **Content** |  |  |  |  |
| What are the causes of past mass extinctions? | No causes identified | Answer identifies one cause of past mass extinctions | Answer identifies more than one cause of past mass extinctions |  |
| What data are used to determine the causes and rates of past mass extinctions? | Data used not addressed | Answer addresses types of data for causes or rates of mass extinctions, but not both | Answer addresses types of data used to determine causes and rates of mass extinctions |  |
| Ways humans contribute to biodiversity loss and why society should be concerned | Answer does not address how humans contribute to biodiversity loss or why this matters to society | Answer gives 1-2 ways humans contribute to biodiversity loss and why this matters to society | Answer gives several 3+ ways humans contribute to biodiversity loss and reasons why this matters to society |  |
| Explanation for why current extinction could be considered a mass extinction | Answer does not present evidence or gives inaccurate information | Answer uses several lines of evidence, information is accurate, but does not include extinction rates/magnitude | Answer uses several lines of evidence, information is accurate, and includes discussion of extinction rates/magnitude |  |
| Causes of current extinction compared to past mass extinction | No comparison made | Basic comparison made, but lacking in detail | Comparison made including specific details regarding how causes varied |  |
| Interactions among Earth’s spheres | Not addressed, no interactions described | Interaction described, but systems thinking terms not used or used incorrectly | Interaction described, and correctly uses systems thinking terms |  |