**GE Area B2 Outcome 1 Rubric**

Recognize and explain scientific theories, concepts and data about living systems.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 4 - Advanced | 3 - Proficient | 2 - Developing | 1 - Incomplete |
| Recognize and explain a scientific theory | Student accurately identifies and explains all aspects of a specific scientific theory. Student gives appropriate examples and details beyond the minimum required to demonstrate complete understanding.  | Student accurately identifies and explains primary aspects of a specific scientific theory. Student gives an appropriate example to demonstrate understanding. | Student does NOT accurately identify and explain primary aspects of a specific scientific theory. Student gives vague explanations of examples, demonstrating poor understanding.  | Student does not complete assignment.  |
| Recognize and explain a scientific concept | Student accurately identifies and explains all aspects of a specific scientific concept. Student gives appropriate examples and details beyond the minimum required to demonstrate complete understanding.  | Student accurately identifies and explains primary aspects of a specific scientific concept. Student gives an appropriate example to demonstrate understanding. | Student does NOT accurately identify and explain primary aspects of a specific scientific concept. Student gives vague explanations of examples, demonstrating poor understanding. | Student does not complete assignment. |
| Recognize and explain data about living systems | Student clearly recognizes and explains the source/origin of the data. Student explains the relevance of the data to living systems. Student has more than two specific examples with detailed explanations. | Student clearly recognizes and explains the source/origin of the data. Student explains the relevance of the data to living systems. Student has at least one specific example with appropriate explanation. | Student does NOT clearly recognize and explain the source/origin of the data. Or student poorly explains the relevance of the data to living systems, nor includes an appropriate example. | Student does not complete assignment. |