GEO 4 (Core Competence): Demonstrate scientific reasoning.

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| **Outcome** | **The Student** | **Assignment/ Measures** | **Success Criteria** | **Student Outcomes** | **Revisions/ Improvements** |
| **Science and Society** | ● Describe issues raised by science for contemporary society  ● Distinguish between scientific and other forms of reasoning |  |  | \_\_\_\_ of \_\_\_\_ students met the success criteria. |  |
| **Basic Concepts and Fundamental Principles** | ● Correctly use scientific terminology and explains basic principles, concepts, and theories of the discipline |  |  | \_\_\_\_ of \_\_\_\_ students met the success criteria. |  |
| **Scientific Inquiry** | ● Evaluates and effectively uses sources of scientific information.  ● Draws appropriate conclusions from data.  ● Correctly presents laboratory results and conclusions (where appropriate). |  |  | \_\_\_\_ of \_\_\_\_ students met the success criteria. |  |
| **Quantitative Reasoning** | ● Interpret charts, graphs, data and tables  ● Correctly use scientific measurement systems including scientific units, scales and conversions  ● Understand the difference between cause-and-effect vs. correlation |  |  | \_\_\_\_ of \_\_\_\_ students met the success criteria. |  |