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| **Scientific Literacy**Students will be able to identify questions, analyze phenomena, evaluate evidence, scrutinize assumptions, and draw evidence-based conclusions.*Select the level that most closely aligns with a student’s performance on the aligned assessment(s).* |
| **No Assessment (0)** | **Emerging (1)** | **Developing (2)** | **Competent (3)** | **Proficient (4)** |
| Select this option if the student:* **Failed to submit** the aligned assessment for this outcome.
* **Withdrew** from the course (W).
* **Audited** the course (AU).
* **Did not complete** the course (I).
* **Violated academic integrity** on the aligned assessment (XF).
 | The student has difficulty:* Differentiating between scientific theory and belief.
* Recognizing the process of scientific enquiry.
* Drawing evidence based conclusions.
* Generating hypothesis to test a theory based on observations.
 | The student can:* Differentiate between scientific theory and belief.
* Recognize the process of scientific enquiry.
* Draw evidence-based conclusions on observations.
* Demonstrate content knowledge of existing scientific theories.
 | The student competently:* Draw reasonable conclusions based on *experimental* evidence and logic.
* Apply the process of the scientific inquiry to solve problems.
* Apply content knowledge of existing scientific theories to solve problems.
 | The student effectively:* Uses the process of scientific inquiry to generate original hypotheses to test a theory based on observations.
* Draw reasonable conclusions based on evidence and logic.
* Applies the logic of scientific inquiry to solve real world scientific problems.
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