

## **Rubric for Distributions of Organisms**

- 4 Uses relevant science vocabulary to demonstrate a thorough understanding of how the distribution and abundance of phytoplankton is limited by the availability of sunlight, nutrients and other abiotic factors.
- 3 Demonstrates an accurate understanding of how the distribution and abundance of phytoplankton is limited by the availability of sunlight, nutrients and other abiotic factors.
- 2 Demonstrates an incomplete understanding of how the distribution and abundance of phytoplankton is limited by the availability of sunlight, nutrients and other abiotic factors.
- 1 Demonstrates severe misconceptions of how the distribution and abundance of phytoplankton is limited by the availability of sunlight, nutrients and other abiotic factors.

## **Rubric for Scientific Inquiry**

- 4 Provides a complete and accurate explanation of the outcome of the activity in terms of relevant facts and concepts.
- 3 Provides a complete explanation of the outcome of the activity with no important errors. Uses relevant facts and concepts.
- 2 Provides a general explanation of the outcome of the activity but omits one or two important aspects or may not effectively use relevant facts or concepts.
- 1 Provides an incoherent, highly flawed explanation of how the outcome relates to the original explanation.