

## Plankton Data

**This assignment is done individually.**

Look over your microaquarium data and select a producer and consumer. Graph the data for Figure 1. Properly label axes and include a descriptive legend.

For Figure 2, obtain a graph from another microaquarium containing either the same producer or consumer. Identify the water source and contributor in the legend.

Your 1-2 page report must be typed. Refer to the Style Sheet for directions.

**Answer the following questions in your own words.**

1. Briefly describe the similarities and differences in the two sets of data.
2. What are the variables you considered in this report?
3. How do plankton reduce carbon dioxide levels in the atmosphere?
4. How do plankton increase oxygen levels in the atmosphere?
5. Why do you think long-term monitoring of aquatic ecosystems is important?

### Grading rubric

- \_\_\_ Graphing
- \_\_\_ Appropriate data
- \_\_\_ Worked with another group
- \_\_\_ Similarities & differences
- \_\_\_ Variables
- \_\_\_ CO<sub>2</sub>
- \_\_\_ O<sub>2</sub>
- \_\_\_ Value

