Knowledge-based Learning Outcomes

Upon completion of *Nutrient Pollution (WB)*, students should be able to:

1. Name three types/species of organisms commonly found in lakes and describe the trophic position of each one.
2. Explain why nutrients are important to individual organisms and to ecosystems.
3. Describe what is meant by "limiting nutrient".
4. Define eutrophication.
5. Describe how increasing a limiting nutrient in an aquatic system can lead to reduced oxygen in that system.
6. Define bioaccumulation.

Skills-based Learning Outcomes

Upon completion of *Nutrient Pollution (WB)*, students should be able to:

1. Predict how increasing the availability of a limiting nutrient will impact organisms that directly use that nutrient.
2. Predict possible indirect effect(s) of increasing a limiting nutrient, for example, on higher trophic levels in a community.
3. Predict how concentrations of a bioaccumulating molecule will vary by trophic level.
4. Graph data from an experiment with a single quantitative independent variable.