

Upon completion of *Liebig's Barrel and Limiting Nutrients (WB)*, students should be able to:

1. List nutrients that are commonly limited in aquatic and terrestrial environments.
2. Explain how/why species differ in the nutrients that limit their populations.
3. Illustrate and discuss the phenomenon of secondary nutrient limitation.
4. Describe the concept of resource competition, define and be able to measure R^* , and illustrate how to determine which of two species will dominate a competitive interaction if they share the same limiting nutrient.
5. Discuss some potential tradeoffs between nutrient absorption efficiency and other factors, with particular attention to explaining conditions under which species competing for the same limiting resource might be able to coexist.