

## Matching Nutrient Terms

**Goal** • Assess your knowledge of terms related to the carbon and nitrogen cycles.

## What to Do

Match each description in column A with the correct term in column B. Place the letter for the term on the line beside the description.

A	B
___ 1. process in which carbon dioxide, water, and energy from the Sun are converted into carbohydrates and oxygen	(a) denitrification
___ 2. term that describes the living components of an ecosystem	(b) nitrogen fixation
___ 3. mixture of elements, such as N, P, and K, that can help to enrich soil	(c) biotic
___ 4. process in which an environment is maintained and the negative effects of human activities are reduced	(d) photosynthesis
___ 5. term that describes the non-living components of an ecosystem	(e) abiotic
___ 6. explosion of an aquatic population resulting from high levels of nitrogen	(f) respiration
___ 7. time when large amounts of carbon were deposited beneath sediment that later became rock	(g) fertilizer
___ 8. process in which nitrogen gas is converted into a form that organisms are able to absorb	(h) acid precipitation
___ 9. process in which nitrates are converted into nitrogen gas	(i) eutrophication
___ 10. buildup of nutrients that threaten the health of an aquatic ecosystem	(j) algal bloom
___ 11. substance that is formed when nitrogen-containing gases, from industrial smokestacks and car exhausts, mix with water	(k) sustainability
___ 12. process that occurs in a cell's mitochondrion and breaks down carbohydrates into useful energy	(l) Carboniferous Period