

Vocabulary



cellular respiration the process in cells that releases energy from sugar molecules

Cellular respiration uses oxygen and produces carbon dioxide and water as waste products. Almost all organisms on Earth get energy from cellular respiration.

germination the sprouting of a young plant from a seed

When a young plant sprouts, first a root grows out of the seed. Then a green shoot containing a stem and two leaves grows.

photosynthesis the process of using the energy in sunlight to make food from water and carbon dioxide

The green pigment chlorophyll traps the energy in sunlight.

stomata tiny openings in the surface of a leaf

Carbon dioxide enters a plant through its stomata. Oxygen and water vapor exit the plant through the stomata. The singular of *stomata* is *stoma*.

transpiration the release of water vapor into the air from a plant's leaves

Most of the water that enters a plant through the roots exits the plant through the stomata in the leaves.