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Photosynthesis worksheet answer key

Plant breathing is the opposite of ours, as we exhale carbon dioxide and plants exhale oxygen. Different plant species need different amounts of sunlight and water to thrive. Together, photosynthesis and cellular breathing are the backbone of all life on Earth. Oxygen released by plants during photosynthesis is used by humans and almost all other organisms for our cellular breathing. What process requires carbon dioxide and gives oxygen? Activities such as food and excretion are also part of the carbon cycle as carbon is taken and passed back from living organisms. When we burn these substances, the energy that plants once captured from the sun through photosynthesis is released back into the atmosphere. This technology, called direct splitting of solar water, can also be adjusted in order to convert carbon dioxide back into fuel. Why is hydrogen fuel production currently difficult on the environment? Prokaryotic organisms are single-celled organisms that do not contain a nucleus. Plants, algae and cyanobacteria use the Calvin cycle to correct carbon dioxide. In this process, while sunlight is still used to correct carbon, something other than water donates an electron during the reaction. How do green bacteria-nesulfur differ from green sulfur bacteria? Only plants and photosynthetic organisms contain chloroplasts. Simple cells, like photosynthetic algae, can contain only a few chloroplasts. Where exactly is chloroplasty chlorophyll? In the first step, sunlight captured chloroplasts when chlorophyll molecules absorb energy (in the form of sunlight). What other methods exist for the body to use CO2 for the preparation of sugars? There are some key differences between sunlight and artificial light. While artificial lights can mimic the full range of natural light, the energy emitted by artificial light in the red and blue spectra doesn't have as much energy as the red and blue spectra of natural sunlight. What light was warm, the interior lighting contains a lot? One characteristic of global warming is the increase in carbon dioxide in the air. How can prolonged stress from drought affect the plant? Print PDF Response Key Accept Now Schedule Copy Print Answer Key (test content only will be printed)