

# Bioflix study sheet for photosynthesis

## answer uwttag

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**What is the answer to the question what is the photosynthesis?** Photosynthesis is the process by which plants use sunlight, water, and carbon dioxide to create oxygen and energy in the form of sugar.

**What is photosynthesis in biology worksheet?** Photosynthesis Worksheet. Photosynthesis is a process in which sunlight energy is used to make glucose. The site of photosynthesis is in the chloroplast – an organelle found in the leaves of green plants. The main functions of chloroplasts are to produce food (glucose) during photosynthesis, and to store food energy.

**What is photosynthesis in 100 words?** Answer: Photosynthesis is a biological process utilized by all green plants to synthesize their own nutrients. The process of photosynthesis requires solar energy, water and carbon dioxide. The by-product of this process is oxygen.

**What are good questions for photosynthesis?**

**What is photosynthesis A level answer?** ?What is Photosynthesis? Photosynthesis is the process by which plants, algae, and some bacteria convert light energy from the sun into chemical energy in the form of glucose, which is a type of sugar. This process also releases oxygen gas into the air. ?Why is Photosynthesis Important?

**What is the equation for the photosynthesis short answer?** The process of photosynthesis is commonly written as:  $6\text{CO}_2 + 6\text{H}_2\text{O} \rightarrow \text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2$ . This means that the reactants, six carbon dioxide molecules and six water molecules, are

converted by light energy captured by chlorophyll (implied by the arrow) into a sugar molecule and six oxygen molecules, the products.

**What is photosynthesis quizlet biology?** Photosynthesis is the process by which photoautotrophic organisms convert light energy (usually from the Sun) into chemical energy (glucose). The photosynthetic process uses light energy to produce glucose from water and carbon dioxide, releasing oxygen gas as a byproduct.

**What is photosynthesis step by step explanation?** "Photosynthesis Steps:" During the process of photosynthesis, carbon dioxide enters through the stomata, water is absorbed by the root hairs from the soil and is carried to the leaves through the xylem vessels. Chlorophyll absorbs the light energy from the sun to split water molecules into hydrogen and oxygen.

**What are three sources of CO<sub>2</sub> in photosynthesis?** Three sources of Carbon Dioxide are: exhalations from living organisms, pollution from factory smokestacks and car fumes. 12. What type of energy does the plant use to convert CO<sub>2</sub> and H<sub>2</sub>O into sugar? Energy from sunlight is used to convert Carbon Dioxide and water into sugar.

**What is photosynthesis in 4 sentences?** Photosynthesis starts when chlorophyll absorbs energy from sunlight. Green plants use this light energy to change water and carbon dioxide into oxygen and nutrients called sugars. The plants use some of the sugars and store the rest. The oxygen is released into the air.

**What is 5 photosynthesis?** Through photosynthesis, certain organisms convert solar energy (sunlight) into chemical energy, which is then used to build carbohydrate molecules. The energy used to hold these molecules together is released when an organism breaks down food.

**What is photosynthesis in one word?** Plants absorb sunlight and turn that energy into food; the process is known as photosynthesis. This is a compound word made up of photo (which means "light") and synthesis (which means "to put together").

**What 3 things happen during photosynthesis?** The three episodes that occur during the photosynthesis cycle are: Light energy is absorbed by chlorophyll, which breaks down water molecules into oxygen and hydrogen. Light energy is converted

into chemical energy. The reduction of carbon dioxide leads to the formation of carbohydrates.

**What are the 3 main products of photosynthesis?**

**What is photosynthesis answers?** photosynthesis, the process by which green plants and certain other organisms transform light energy into chemical energy. During photosynthesis in green plants, light energy is captured and used to convert water, carbon dioxide, and minerals into oxygen and energy-rich organic compounds.

**What gases do plants release?** Plants use photosynthesis to capture carbon dioxide and then release half of it into the atmosphere through respiration. Plants also release oxygen into the atmosphere through photosynthesis.

**Where is chlorophyll found?** Chlorophyll is located in a plant's chloroplasts, which are tiny structures in a plant's cells. This is where photosynthesis takes place.

**What diffuses out of the leaf in photosynthesis?** Gas exchange When a plant is carrying out photosynthesis carbon dioxide needs to move from the air into the leaf. It does this by diffusing through small pores called stomata. At the same time oxygen moves out of the leaf through the stomata.

**What are the two stages of photosynthesis?** Figure: The two stages of photosynthesis: Photosynthesis takes place in two stages: light-dependent reactions and the Calvin cycle (light-independent reactions).

**What are two factors that affect the rate of photosynthesis?**

**What type of energy does a plant use in photosynthesis?** During photosynthesis, plants trap light energy with their leaves. Plants use the energy of the sun to change water and carbon dioxide into a sugar called glucose. Glucose is used by plants for energy and to make other substances like cellulose and starch.

**What is the simple definition of photosynthesis?** (FOH-toh-SIN-theh-sis) A chemical process that occurs in plants, algae, and some types of bacteria, when they are exposed to sunlight. During photosynthesis, water and carbon dioxide combine to form carbohydrates (sugars) and give off oxygen. Photosynthesis is needed for

animal and plant life.

**Is photosynthesis a very short answer?** Photosynthesis is the process by which plants and other things make food. It is an endothermic (takes in heat) chemical process that uses sunlight to turn carbon dioxide into sugars that the cell can use as energy. As well as plants, many kinds of algae, protists and bacteria use it to get food.

**What is photosynthesis one mark answer?** Photosynthesis is the process by which plants, algae and some bacteria use sunlight, carbon dioxide and water to prepare their food. This is a biogeochemical process in which light energy is converted into chemical energy.

**What is photosynthesis for kids?**

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