

Bioflix study sheet for photosynthesis answer key

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What is the photosynthesis answer key? 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 the site of photosynthesis answer key? The chloroplast acts as the site of photosynthesis. It is a cell organelle that is covered by a double membrane and it contains chlorophyll. It is present in green tissues of plants, especially leaves.

What is the photosynthesis question answer? Photosynthesis is the process by which green plants prepare their own food from carbon dioxide and water by using sunlight energy in the presence of chlorophyll.

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 affects the rate of photosynthesis worksheet answer key? The intensity of light, temperature, supply of carbon dioxide, supply of water, and availability of minerals are important factors that affect the rate of photosynthesis in land plants. The rate also varies by species and a plant's health and maturity.

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?

Where is the site of photosynthesis _____? The site of photosynthesis in plants is the chloroplast. This cell organelle is found in plant cells and contains chlorophyll, a green-coloured pigment.

Where does photosynthesis take place in the _____? In plants and algae, which developed much later, photosynthesis occurs in a specialized intracellular organelle—the chloroplast. Chloroplasts perform photosynthesis during the daylight hours.

Which organelle does photosynthesis happen in answer key? Chloroplast is the organelle in plant cells which is the site for photosynthesis.

What is photosynthesis one word answer? The process by which plants make their own food using chlorophyll, carbon dioxide, and water in the presence of sunlight is known as photosynthesis. Chlorophyll is a green pigment present in the leaves of plants. This pigment captures the sun's energy, which is used to prepare food from carbon dioxide and water.

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 the photosynthesis formula? 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.

Is oxygen a product or reactant? In photosynthesis, carbon dioxide and water are converted into glucose and oxygen using sunlight. In this reaction, oxygen is a product. In cellular respiration, glucose and oxygen are used to produce ATP, with carbon dioxide as a by-product. Therefore, oxygen is a reactant in cellular

respiration.

What is photosynthesis in biology PDF? Photosynthesis is the process by which plants, some bacteria and some protists use the energy from sunlight to produce glucose from carbon dioxide and water. This glucose can be converted into pyruvate which releases adenosine triphosphate (ATP) by cellular respiration. Oxygen is also formed.

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 colors does chlorophyll absorb? The green pigment in leaves is chlorophyll, which absorbs red and blue light from sunlight. Therefore, the light the leaves reflect is diminished in red and blue and appears green. The molecules of chlorophyll are large ($C_{55}H_{70}MgN_4O_6$).

At what temperature does photosynthesis stop? Initially, increasing temperature increases the rate of photosynthesis, as more energy is provided. Above a certain temperature (about 45 degrees Celsius), the enzymes involved in the reaction begin to denature and, consequently, the rate of the reaction begins to drop sharply until it stops altogether.

What chemical absorbs light for photosynthesis? Chlorophyll's job in a plant is to absorb light—usually sunlight. The energy absorbed from light is transferred to two kinds of energy-storing molecules. Through photosynthesis, the plant uses the stored energy to convert carbon dioxide (absorbed from the air) and water into glucose, a type of sugar.

What is photosynthesis best answer? 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 are the key stages of photosynthesis? Photosynthesis, a process vital for life, involves two main stages: light-dependent reactions and the light-independent reactions (also called the Calvin cycle).

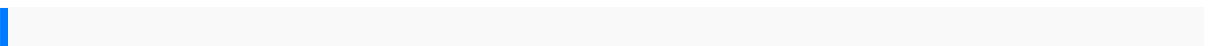
What diffuses out of the leaf in photosynthesis? Gas exchange When a plant is carrying out photosynthesis carbon dioxide needs to move from the air into the leaf. It does this by diffusing through small pores called stomata. At the same time oxygen moves out of the leaf through the stomata.

What is the key to photosynthesis? This process is called photosynthesis and is performed by all plants, algae, and even some microorganisms. To perform photosynthesis, plants need three things: carbon dioxide, water, and sunlight.

What is photosynthesis one word answer? The process by which plants make their own food using chlorophyll, carbon dioxide, and water in the presence of sunlight is known as photosynthesis. Chlorophyll is a green pigment present in the leaves of plants. This pigment captures the sun's energy, which is used to prepare food from carbon dioxide and water.

What is photosynthesis with equation answer? Photosynthesis is the process that plants use to convert light energy into sugar molecules. The equation for photosynthesis is: carbon dioxide + water + sunlight → oxygen and glucose. $6\text{CO}_2 + 6\text{H}_2\text{O} + \text{sunlight} \rightarrow \text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2$.

What is the photosynthesis quizlet? 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.



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