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Compare And Contrast Photosynthesis And

Photosynthesis and respiration are reactions that complement each other in the environment. They are in reality the same reactions but occurring in reverse. While in photosynthesis carbon dioxide

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and water yield glucose and oxygen, through the respiration process glucose and oxygen yield carbon dioxide and water.

Photosynthesis vs Cellular Respiration - Difference and ...

Respiration breaks down molecules like sugar, fat, and protein, and captures their energy to do work inside the cell. In contrast, photosynthesis uses the energy of light from the sun to build ...

Comparing & Contrasting Cellular Respiration & Photosynthesis

Photosynthesis and chemosynthesis are both processes by which organisms produce food; photosynthesis is powered by sunlight while chemosynthesis runs on chemical energy. Loading the player... The majority of life on the planet is based in a food chain which revolves around sunlight, as plants make food via photosynthesis.

What is the difference between

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photosynthesis and ...

It does not require the presence of sunlight and is always occurring in living organisms. Cellular respiration takes place in the mitochondria of cells. While photosynthesis requires energy and produces food, cellular respiration breaks down food and releases energy.

Photosynthesis vs. Cellular respiration

Photosynthesis happens in two reaction stages, but the first one requires light. In contrast, cellular respiration occurs independently of light, and it has four reaction stages. Another difference is the inputs and outputs of these two processes.

Biology Lesson 80 Essay Photosynthesis VS. Cellular ...

Together, photosynthesis and chemosynthesis fuel all life on Earth. The diagram below compares examples of these two processes - chemosynthesis in a seafloor hydrothermal vent bacterium,

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and photosynthesis in a terrestrial plant. Additional information. All photosynthetic organisms use solar energy to turn carbon dioxide and water into sugar ...

Chemosynthesis vs. Photosynthesis

When discussing chemosynthesis vs. photosynthesis, one important factor that distinguishes these two processes is the use of sunlight. Chemosynthesis occurs in darkness, on the seafloor, whereas, photosynthesis requires light energy from the sun to make food.

Differences and Similarities Between Chemosynthesis and ...

Compare and contrast the major pathways of photosynthesis and respiration.' and find homework help for other Science questions at eNotes eNotes Home Homework Help

Similarities Between Photosynthesis And Cellular ...

Photosynthesis is the food making

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process or energy storage process, whereas respiration is the energy release process. The process of respiration can happen 24 hours a day, means it can happen both in light and dark condition, contrary to this, the process of photosynthesis only takes place in the light.

Difference Between Respiration and Photosynthesis ...

Respiration is the oxidation of food materials to water and carbon dioxide in the presence of oxygen or without oxygen. Photosynthesis takes place in the chloroplast and is dependent on light. Respiration takes place in cytoplasm and mitochondria and is not dependent on light. In photosynthesis, light energy is fixed.

Difference Between Photosynthesis And Respiration

The relationship between photosynthesis and cellular respiration is such that the products of one system are the

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reactants of the other. Photosynthesis involves the use of energy from sunlight, water and carbon dioxide to produce glucose and oxygen. Cellular respiration uses glucose and oxygen to produce carbon dioxide and water.

Photosynthesis and Respiration

Photosynthesis is a process plants use to create food (glucose), in which plants convert light energy into chemical energy. Chemosynthesis is the process by which food (glucose) is made by bacteria using chemicals instead of light energy.

Compare and contrast an ecosystem driven by photosynthesis ...

Compare and contrast photosynthesis and chemosynthesis. Sim 1: Both are part of the environment Sim 2: Both are the conditions and factors surrounding an organism Sim 3: Dif 1: Biotic relates to things that are alive whereas abiotic relates to things that are not alive

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Essay about Compare Photosynthesis and Cellular Respiration; ... The Calvin cycle occurs in the stroma, while the light reactions occur in the thylakoids. In contrast, there are four metabolic stages happened in cellular respiration, which are the glycolysis, the citric acid cycle, and the oxidative phosphorylation. ...

Essay about Compare Photosynthesis and Cellular ...

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Biology I- Compare & Contrast Photosynthesis and Cellular ...

Although both processes are found in double membraned organelles, photosynthesis occurs in chloroplasts in plant cells and cellular respiration occurs in the mitochondria of animal cells.

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Photosynthesis uses water and carbon dioxide as reactants to produce glucose and oxygen where as cellular respiration uses glucose and molecular oxygen as reactants to produce water, carbon dioxide, and energy (ATP).

Compare Photosynthesis and Cellular Respiration Essay ...

Compare and contrast photosynthesis and cellular respiration. you must write at least 1 similarity and 1 difference - 7526603

Compare and contrast photosynthesis and cellular ...

Compare and contrast the cyanobacteria to the green and purple sulfur bacteria with regard to: a) habitat, b) photosynthesis properties, c) cell properties, and d) impact and importance to the environment.

Compare and contrast the cyanobacteria to the green ...

Photosystem I is very receptive to light

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waves at the 700 nm wavelength. In comparison, photosystem II is very receptive to light wavelengths of around 680 nm. Both photosystem I and II are necessary in most plants to produce the energy they need from the sun.

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