Compare And Contrast Photosynthesis And Cellular Respiration

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Compare And Contrast Photosynthesis 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 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 and water yield glucose and oxygen, through the respiration process glucose and oxygen yield carbon dioxide and water.

Photosynthesis vs Cellular Respiration - Difference and ...

Photosynthesis and chemosynthesis are both processes by which organisms produce food; photosynthesis is powered by sunlight while chemosynthesis runs on chemical energy. Error loading media: File could not be played 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 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

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. Some differences between photosynthesis and respiration are that photosynthesis only happens in sunlight while respiration...

Similarities Between Photosynthesis And Cellular ...

Cellular respiration takes place in the every living organisms, as it is the simple process of converting oxygen and glucose into carbon dioxide and water back, therefore producing energy for the cells of the body. On the contrary, photosynthesis occurs in green plants, which contain chlorophyll and uses sunlight and water to convert it into energy.

Difference Between Cellular Respiration and Photosynthesis ...

Respiration is the process done by around every of the living organism, in both the green or non-green cells, whereas photosynthesis is the food making process, which only takes in chlorophyllous cells (plants and other such livings).

Difference Between Respiration and Photosynthesis ...

Both photosynthesis and cellular respiration make extensive use of harnessing the energy from flowing electrons to drive the synthesis of a product. In photosynthesis the main product is glucose, whereas in cellular respiration it is ATP (adenosine triphosphate).

Photosynthesis vs. Cellular Respiration in Electron Flow ...

Cellular respiration produces a lot of ATP, requires oxygen, and produces water. Compare and contrast photosynthesis and cellular respiration. Photosynthesis is when producers use the sunlight to produce high-energy sugars and cellular respiration is what consumers used to release the energy stored in the chemical bonds of glucose.

Biology Chapter 9 Flashcards | Quizlet

Photosynthesis stores energy and has an end product of glucose and oxygen, while Respiration releases energy and has an end product of water and carbon dioxide.

Compare and contrast photosynthesis and respiration. A ...

Photosynthesis occurs throughout the presence of sunshine whereas cellular respiration is a gradual train that likes to happen frequently. The inputs throughout the photosynthesis are water and carbon dioxide whereas inputs throughout the case of cellular respiration are oxygen and glucose.

Difference Between Photosynthesis and Cellular Respiration ...

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

Unlike the various cellular respiration pathways, photosynthesis is used by plants, algae and some bacteria to produce the food needed for metabolism. In plants, photosynthesis occurs in specialized structures called chloroplasts while photosynthetic bacteria typically carry out photosynthesis along membranous extensions of the plasma membrane.

Difference Between Aerobic & Anaerobic Cellular ...

The key reactants of this process include oxygen and glucose which yield carbon dioxide and water. Photosynthesis is the process where light energy is converted into chemical energy. The key reactants in photosynthesis are water, light and carbon dioxide which yield glucose and oxygen. In this lab, several different.…

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 ...

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

Compare and contrast photosynthesis and cellular ...

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. ...