

## Compare And Contrast Photosynthesis And Cellular Respiration

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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 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. 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

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. Photosynthesis takes in sunlight, as previously mentioned, as well as carbon dioxide and water.

### Biology Lesson 80 Essay Photosynthesis VS. Cellular ...

In most cases, primary food production occurs in a process called photosynthesis, which is powered by sunlight. In a few environments, primary production happens though a process called chemosynthesis, which runs on chemical energy. Together, photosynthesis and chemosynthesis fuel all life on Earth.

### Chemosynthesis vs. Photosynthesis

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 vs. Photosynthesis. The process of respiration takes place in all livings, whereas the process of photosynthesis takes place in the organisms possessing chlorophyllous cells. Photosynthesis is the food making process or energy storage process, whereas respiration is the energy release process.

### Difference Between Respiration and Photosynthesis ...

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

### Compare and contrast photosynthesis and cellular ...

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

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 ...

Differences and Similarities Between Chemosynthesis and 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 ...

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. To emphasize this point even more, the equation for photosynthesis is the opposite of cellular respiration.

### Photosynthesis and Respiration

Photosynthesis and cellular respiration are quite similar; certain parts are reactants of each other. For example, Photosynthesis uses energy from sunlight, water and carbon dioxide to create glucose and oxygen. Whereas, cellular respiration uses glucose and oxygen to form carbon dioxide and water.

### Photosynthesis and Cellular Respiration - Ellie's Journey

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

### Biology Compare and Contrast 3+4 Flashcards | Quizlet

Compare and contrast the concept of photosynthesis and cellular respiration and the inter-relatedness of mitochondria and chloroplasts in the energy exchanges important to living organisms. Present the historical and modern foundational knowledge underlying Genetics and heredity.

### BIOL& 160 - General Biology w/Lab :: Class Schedule

Both processes take place inside the cells. In contrast, The site of photosynthesis is chloroplast, while the sites of cellular respiration are cytoplasm and mitochondrion. The chloroplast, which has two membranes around a central aqueous space, is found mainly in mesophyll cells forming the tissues in the interior of the leaf.

### Compare Photosynthesis and Cellular Respiration Essay ...

Explain photosynthesis and transpiration in plants. Compare and contrast the growth of plants under varying conditions. Explain how engineers use plants to create technologies that benefit humans. Educational Standards

### Plant Cycles: Photosynthesis & Transpiration - Activity ...

Compare and contrast the concept of photosynthesis and cellular respiration and the inter-relatedness of mitochondria and chloroplasts in the energy exchanges important to living organisms. Present the historical and modern foundational knowledge underlying Genetics and heredity.