

# Which is the solar container substance in living things

<div class="df\_qntext">Which organisms carry out photosynthesis require sunlight?

All organisms carrying out photosynthesis require sunlight. Figure 5 1 1: (a) Plants,(b) algae,and (c) certain bacteria,called cyanobacteria,are photoautotrophs that can carry out photosynthesis.

<div class="df\_qntext">How do green plants convert light energy into chemical energy?

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

<div class="df\_qntext">What is solar energy & how does it work?

The sun emits an enormous amount of electromagnetic radiation, or solar energy. Solar energy is composed of tiny, mass-less packets of energy called photons. Humans can see only the tiny fraction of this energy that is capable of stimulating photoreceptor cells in our retinas. This portion is referred to as "visible light."

<div class="df\_qntext">What are the two main products of photosynthesis?

The main products of photosynthesis are glucose and oxygen. Glucose provides energy for plants and other organisms,while oxygen is released into the atmosphere and used by most living things for respiration. What are two products of photosynthesis? The two primary products of photosynthesis are glucose and oxygen.

<div class="df\_qntext">What molecule does photosynthesis produce?

Photosynthesis requires sunlight,carbon dioxide,and water as starting reactants (Figure 5.5). After the process is complete,photosynthesis releases oxygen and produces carbohydrate molecules,most commonly glucose. These sugar molecules contain the energy that living things need to survive.

<div class="df\_qntext">Which organisms can carry out photosynthesis?

Some organisms can carry out photosynthesis,whereas others cannot. An autotroph is an organism that can produce its own food. The Greek roots of the word autotroph mean "self" (auto) "feeder" (troph). Plantsare the best-known autotrophs,but others exist,including certain types of bacteria and algae (Figure 5.2).

OverviewHistory of studyCharacteristicsBiological production and role of O<sub>2</sub>Industrial productionApplicationsCompoundsSafety and precautionsOxygen is a chemical element; it has the symbol O and its atomic number is 8. It is a member of the chalcogen group in the periodic table, a highly reactive nonmetal, and a potent oxidizing agent that readily forms oxides with most elements as well as with other compounds. Oxygen is the most abundant element in Earth's crust, making up almost half of the Earth's crust in the form of various oxides such as water, carbon dioxide, iron oxides

Solar energy is composed of tiny, mass-less packets of energy called photons. Humans can see only the tiny

## Which is the solar container substance in living things

fraction of this energy that is capable of stimulating photoreceptor cells in our retinas.

Your statement is exactly right: energy transfer between living and nonliving things is a fundamental principle of the biosphere, and yes, energy also moves from the atmosphere into living things.

At its most fundamental level, life is made up of matter. Matter is any substance that occupies space and has mass. Elements are unique forms of matter with specific chemical and physical properties that ...

How is matter transferred between the living and nonliving parts of an ecosystem and how does energy move from the atmosphere into living things? All Answers (2)

The initial source of energy for almost all living things is the Sun. Through the process of photosynthesis, plants convert sunlight into chemical energy, which is then consumed by other organisms.

While most substances, under normal pressure conditions, will melt from a solid to a liquid, and vaporize to a gas with increasing temperature (for instance water), Figure 5-4 shows that sometimes matter ...

Which Substance is the Best Transmitter of Solar Energy? Crystalline Silicon and Monocrystalline solar cells are widely considered to be the best substances for the transmission of ...

Web: <https://www.tesafrica.co.za>

Chat online: <https://tawk.to/chat/667676879d7f358570d23f9d/1i0vbu11i?web=https://www.tesafrica.co.za>