

Published based on [The Sun: Its Link To The Earth](#)

The Sun: Its Link To The Earth

The sun is one of the numerous stars in the sky. It is the closest star to the earth and lies at the center of the solar system. One rotation of the sun takes 27 days. It is 4.5 billion years old, which is thought to be its mid age. This means it shall keep shining for about five billion more years to come.[youtube:yz5J_MAPJ5s?version=3;[link:Self Tanner];http://www.youtube.com/watch?v=yz5J_MAPJ5s?version=3&feature=related]

Photosphere is the name given to the surface of the sun. The temperature at the core of the sun is 15.7 million K, a lot hotter than the photosphere's 5,778 K. This energy is produced via a nuclear reaction called nuclear fusion. During this process, two hydrogen nuclei bond to make one helium nucleus. This process involves release of energy.

A distance of 149.6 million kilometers separates the sun and the earth. The sun has a diameter of 1.392 million kilometers and an equatorial circumference of 4.379 million kilometers. These values are 109 times higher than the corresponding earth's measurements. Its surface area is 11,990 times that of earth, measuring 6.0877 trillion kilometer squared. Its volume is 1.3 trillion times that of earth.[l:http://www.webmarksolutions.com/wp-content/uploads/2011/12/HaywoodHunter1.jpg]

The heat from the sun reaches the earth through radiation. This energy is known as solar energy. Note that the planet absorbs only a small portion of this energy, the rest is reflected back to space. The absorbed heat is responsible for life on earth. It is also the source of the earth's climate, wind trends and water cycle.

Plants use solar energy to make their own food, through a process called photosynthesis. This is the basic process that makes food available to all other living things. The sun is also responsible for the energy stored in fossils, as well as petroleum and coal.

The sun is earth's basic source of energy. This energy reaches us in two main forms, light and heat. Solar energy is also applied in promoting plant growth in green houses, solar lighting and powering electronic devices. There cannot be life on earth without the sun.

Get complete details on the affect that the [sun](#) can have on your skin! The many sunless products offered by [Sun Laboratories Chatsworth CA](#) will help you to achieve a healthy tan without exposing your skin to the sun's rays.

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