

Solar radiation

First of all it is important to clarify the origin of the energy emitted by the sun. This energy is generated from a nuclear fusion which releases a huge amount of energy that is transferred to the solar surface and finally radiated into the space. Solar heat transfer is transferred by solar waves (some of those waves are visible due to the electromagnetic spectrum).

Despite solar radiation is quite strong, these waves are alleviated by the atmosphere. Some other elements in the environment can reflect, absorb or diffuse solar radiation like clouds and pollution do.