



# Photovoltaic effect meaning

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The photovoltaic effect is a process that generates voltage or electric current in a photovoltaic cell when it is exposed to sunlight. It is this effect that makes solar panels useful, as it is how the cells within ...

The photovoltaic effect is the process by which sunlight is converted into electricity. This phenomenon was first observed in 1839 by French physicist Edmond Becquerel, who discovered that ...

Photovoltaic effects generally refer to phenomena resulting from the conversion of light energy into electrical energy. This conversion process can be considered the reverse of electroluminescence. ...

photovoltaic effect, process in which two dissimilar materials in close contact produce an electrical voltage when struck by light or other radiant energy.

The photovoltaic effect is the process by which a material generates an electric current when exposed to light, particularly sunlight.

What is the photovoltaic effect? The photovoltaic effect is a fundamental phenomenon in the conversion of solar energy into electricity. It is characterized by the generation of an electric ...

The photovoltaic effect is a process that generates voltage and electric current in a material upon exposure to light. This principle is the foundation of solar cells, which convert solar ...

The effect due to which light energy is converted to electric energy in certain semiconductor materials is known as photovoltaic effect. This directly converts light energy to ...

The photovoltaic effect is closely related to the photoelectric effect. For both phenomena, light is absorbed, causing excitation of an electron or other charge carrier to a higher-energy state.

What Is the Photovoltaic Effect in Simple Words? The photovoltaic effect is a process in which light (usually



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sunlight) strikes a material, causing it to absorb photons and release electrons.

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