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## **Solar energy - Wikipedia**

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Physics of How Solar Works. The physics behind this process is actually quite simple and not as complicated as it may seem. When sunlight shines on solar cells, light particles known as photons, hits an electron, which will cause the electron to bump out from the silicon (sheet of solar cells). When this electric current is produced, the direct current (DC) is transferred to your home's inverter which will convert the electricity to alternating current (AC) to match the frequency of the ...

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gasification accounts for about 11% of human energy needs.

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The book is also ideal for university and third-level physics or engineering courses on solar photovoltaics, with exercises to check students' understanding and reinforce learning. It is the perfect companion to the Massive Open Online Course (MOOC) on Solar Energy (DelftX, ET.3034TU) presented by co-author Arno Smets.

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