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| **Article title:** How solar panels could cool our homes while harvesting energy  **Author’s name:** Angela Chen  **Source:** The Verge (theverge.com)  **Dictionary:**  *Energy harvesting* a process of capturing energy from the ambient in as many ways as possible to charge low energy devices; e.g. kinetic energy of pushing the handle could be used to supply energy for electrical lock  *Solar harvesting* a process of obtaining solar energy, e.g. using solar panels;  *Radiative cooling* a process by which the heat from the Earth is emitted back to the Universe  *Radiative cooler* a device that uses process of radiative cooling to lower the ambient temperature of a room or house  *Infrared radiation* low frequency radiation emitted by every body when its temperature differs from the ambient temperature; a reason of radiative cooling  *Vacuum chamber* a part of a device from which all gases are removed; in this case an isolation between hot and cold part of the device  **Questions:**   * What is the current stadium of the project? * What are the parts of the device? * What was the goal of creating the device? | **Article title:** How solar panels could cool our homes while harvesting energy  **Author’s name:** Angela Chen  **Source:** The Verge (theverge.com)  **Dictionary:**  *Energy harvesting* a process of capturing energy from the ambient in as many ways as possible to charge low energy devices; e.g. kinetic energy of pushing the handle could be used to supply energy for electrical lock  *Solar harvesting* a process of obtaining solar energy, e.g. using solar panels;  *Radiative cooling* a process by which the heat from the Earth is emitted back to the Universe  *Radiative cooler* a device that uses process of radiative cooling to lower the ambient temperature of a room or house  *Infrared radiation* low frequency radiation emitted by every body when its temperature differs from the ambient temperature; a reason of radiative cooling  *Vacuum chamber* a part of a device from which all gases are removed; in this case an isolation between hot and cold part of the device  **Questions:**   * What is the current stadium of the project? * What are the parts of the device? * What was the goal of creating the device? |
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