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SELCO: Harnessing Sunlight to Create Livelihood

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What is photosynthesis?

Photosynthesis is the process plants undergo. They take in Co2 and release oxygen. They use energy from sunlight, water, and Co2 to "make" sugars and oxygen. This creates a healthy balance because we take in the oxygen and release their Co2.

The problem

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The problem with the way we do things now is that the combustion releases too much dirty CO2 into the atmosphere. All this dirty CO2 is throwing the balance off the carbon cycle and we humans may die if we continue our harmful ways.

Changes

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How could we change? We could help the environment if we harnessed the power of photosynthesis to our advantage! How do we do that is the question.

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Example & How!

Linköping University 'wired up' a garden rose by setting the flower into a basin of water containing a liquid that conducts electricity. As the rose absorbed the water it also took electrons which then combined itself with the flowers own biology.

Example

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Plants could be wired up and used like solar cells to produce energy through photosynthesis

Example

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Plants could be wired up and used like solar cells to produce energy through photosynthesis

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(Cont.)

once inside the plant, the conducting liquid was designed to automatically self-organize to form a wire with the help of the ions in the flower. Plants rely on the transport of ionic signals.

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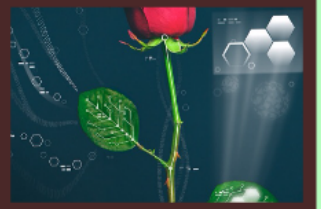
Example!

A graphic showing how a rose could generate power



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Example!

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