

Classroom Activities

10 Big Questions - Where will the nanoscience revolution take us?

How to create solar cells

A variety of light-harvesting materials can be used in solar cells.

For example, blackberry juice contains natural dyes that can absorb sunlight and convert it into other forms of energy.

Using a few mostly household items, it is possible to make a solar cell to harness the sunlight absorbed by blackberry juice and turn it into electricity.

Learn how to make a blackberry juice solar cell at

<http://www.sciencegeekgirl.com/solarcell.pdf>

or watch a short video of how it is done at: <http://youtu.be/rtHtJGjLyTk>

This classroom activity was suggested by Dr David Huang – Lecturer in Chemistry & Physics & Coordinator of the Bachelor of Science (Nanoscience & Materials) degree at the University of Adelaide.

* To find out more about the 10 Big Questions, go to:

<http://www.sciences.adelaide.edu.au/learning-teaching/10bq/>

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