

MILLENNIUM TECHNOLOGY PRIZE LAUREATE

MICHAEL GRÄTZEL

<http://vimeo.com/10921376>

1. Complete the sentence:

Making **1.** is not necessarily difficult. All we need is two pieces of **2.** some **3.** graphite, electrolyte **4.** and **5.** that can be **6.** and **7.** from berries.

2. Answer the questions:

- a. Why could the dye – sensitized solar cells be used almost everywhere?
- b. Which city does the originator of the dye – sensitized solar cells come from?
- c. What was the base of Michael Graetzel's research?
- d. Do organic solar panels have the same efficiency level as silicon panels?
- e. Where could solar cells be used?

3. Watch the film again and answer the questions:

- a. How does Michael Graetzel explain the process of natural photosynthesis?
- b. What did he ask Hans to do?
- c. When he saw the result of the experiment, did he have the same opinion about it as Hans?
- d. What are the advantages of solar panels?
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- e. Can colourless panels produce electric power?