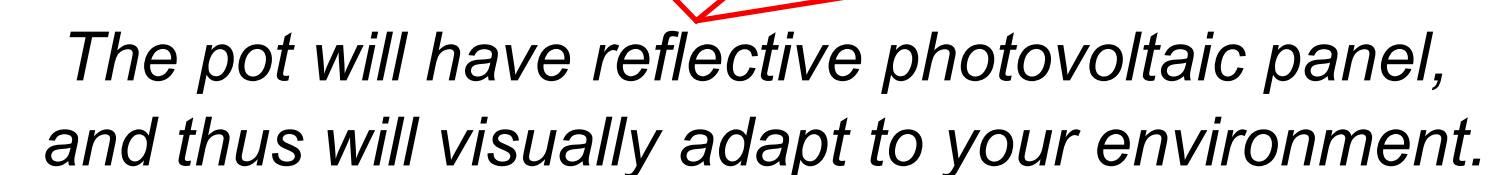


1. Under the influence of sunlight, plants make organic material (sugars) and oxygen from water and CO. This is called photosynthesis.
2. This organic material is transported throughout the plant.
3. Part of this organic material is not used by the plant and secreted by the roots.
4. Bacteria that naturally surround the roots break down this organic material, releasing electrons and protons.
5. The electrons are collected in the anode (the minus pole) of our plant battery.
6. The electrons flow through the wire and can be used as electricity. A smart chip enables us to increase the voltage and, for example, to keep lights on!
7. To make electrons flow, you also need a plus pole, the cathode. There they come in contact with oxygen from the air and protons from step 4 and react to water.



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