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El Sol – Inexpensive Energy

The purpose of the project was to find out if an inexpensive yet efficient way to make a solar panel was possible. It was determined that the control will work the best then the copper panel. The solar panels were constructed and then tested by taking the panels outside and using the microammeter to the panels. The voltage data was collected after the following minutes: 1, 5, 10, 15, 20 and 30. The maximum voltage of the titanium dioxide panel was 11 volts, the maximum of the control panel was 19 and the maximum for the copper panel was 120 volts.

The titanium dioxide's voltage jumped around and didn't give a steady current, whereas the copper panel had a steady current and gradually increased over time. The result was that the copper panel worked the best and the titanium dioxide panel worked the worst.