

8.1 Solar cell



What are the voltages and currents of one solar cell in different lighting conditions?



Set up:

- connecting cables ▪ solar cell
- 1 digital multimeter

1. Connect the solar cell to the multimeter and measure the voltage and current at different places inside and outside the classroom.
2. Document the measurements in the table below.



Table of measurements

Measurement / lighting condition	Bright and direct sunlight			
Voltages				
Amperes				



Analysing and reflecting:



Cover half of the solar cell and measure the voltage and the current in the same lighting conditions as in the first experiment. Compare the results.



Technical application and vocational orientation:

Space for your sketches