

Solar Cell Activity Worksheet

**Part 1**

Calculate power for Solar Cell 1. (Volts x Amperes = Power in Watts)

Calculate power for Solar Cell 2.

Questions:

1. Which solar cell had more electrical power, solar cell 1 or 2?
2. Complete this table:

Cell	Amperes (A)	Voltage (v)	Power (W)	Runs the Car?	Powers the light?
1				No	Yes
2				Yes	No

What does this tell you about the different requirements of the light and motor?

**Part 2**

Plot the effect of "clouds" (sheets of paper) on two different solar cells.

