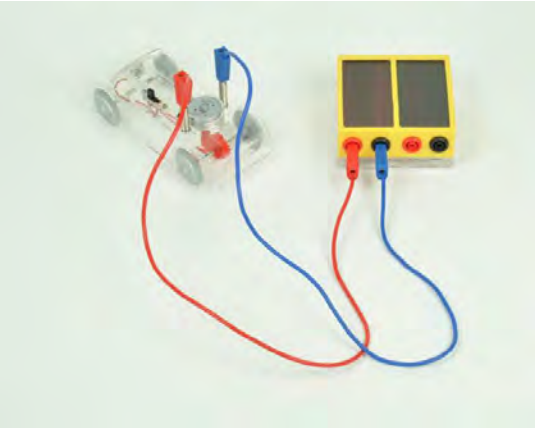
ELECTRIC CAR DRIVEN BY A SOLAR CELL

AES 6.5

Experiment 1:
Connect the electric car with the left solarcell.



Result:
The car is not moving.

Experiment 2:
Execute the experiment next to a window and adjust the solarcell to an angle of 90° to the sunbeams.

Result:
Even in direct sunlight (on a clear day) the car will not drive.

Experiment 3:
Connect both solar cells in series and run the experiment in direct sunlight through again.

Result:
Even at a higher amount of voltage the car is not moving.

Experiment 4:
Connect both solar cells in parallel and run the experiment again.

Result:
The car starts moving in direct sunlight.
Why does this happen?

Advice:
If a consumer needs more "power", you have to connect the solar cells in parallel.

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