

Build a Solar Cell Worksheet

Results Table

	Dyed Solar Cell (Prepared fresh)			Dyed Solar Cell (After 1 week)
Light Source	None	Classroom light	Overhead Projector	Overhead projector
Voltage				
Current				

Discussion Questions

- What is the function of each of the following components in a dye-sensitized solar cell?
 - Titanium oxide
 - Conductive glass
 - Natural dye
 - Iodine/iodide electrolyte solution
- What are the advantages of dye-sensitized solar cells compared to conventional solar cells? What are the possible disadvantages?
- Predict how you would expect the voltage and the current produced by a DSC to change if the size of the solar cell were increased from 1" x 3" to 3" x 3".