

MatE 297

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Discussion Question #1 (September 3rd)

In your own words what is a photovoltaic cell?

What are two potential advantages of polymer photovoltaics over Si technologies?

What are the two primary disadvantages compared to Si?

As the electron acceptor, what role does C₆₀ play in these devices?

Sketch the cross-section of a typical polymer-based photovoltaic cell and label the components: