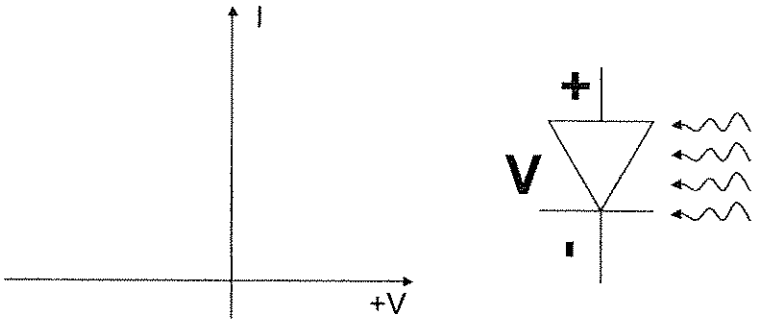
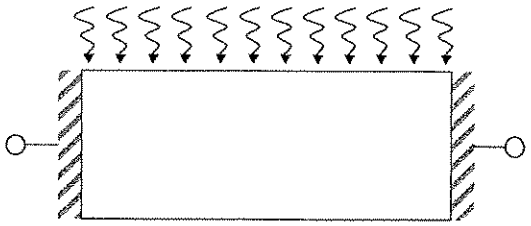


•Draw the I-V with and without light

•Where do you operate the device for optimum power out (solar cell)

•What are the physical constraints between light in and electrons out (physical effects that must be considered)



•Sketch how the diode looks inside (doping etc.)
•For negative bias sketch the carrier profiles versus light everywhere through the device
•How do these distributions change with biasing (I.e. what do they look like at the "optimum" bias point)
•What determines the maximum voltage that can be measured
•How can you get more voltage