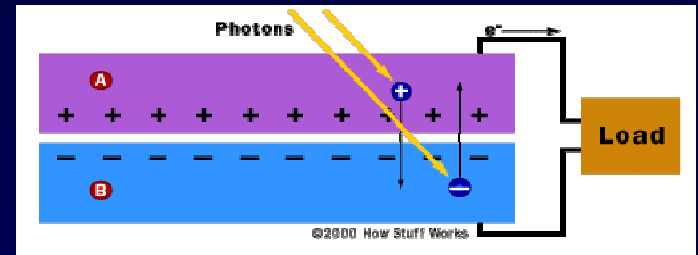


Photodetectors

Shining light onto a semiconductor can excite electrons out of the valence band into the conduction band. The change in resistance can then be used to monitor the light intensity.

Examples:

- photodiode
- optical power meter
- barcode scanner
- digital cameras (each pixel)
- photovoltaic “solar cell”



A 3.2 Gigapixel camera

