

- 2. When current passes through a pn-junction (diode), where does the energy from the electrons dropping through the bandgap go? (Yes, yes everything eventually goes to heat and thermal vibrations but where does it go on its way there?)
- 3. A pn-junction (diode) with a bandgap of 2.3V. If the device's jacket is clear glass, what would you notice about the device as current passes through it (in the forward biased direction)? Your answer should be specific and quantitative.
- 4. Why doesn't a positively ionized donor atom contribute to conduction in an n-type semiconductor?