

Ch. 6 Devices – pn Junction Video Questions

A. pn Junction - Part 1 - Question

What voltage and/or energy is the barrier of the pn junction at equilibrium equal to?

B. pn Junction - Part 2 – Question

What equation relates the maximum electric field on the p-type side of the pn junction to the maximum electric field on the n-type side of the pn junction?

C. pn Junction - Part 3 – Question

For a reverse bias, what bias polarity should be applied to the p-type side and what bias polarity should be applied to the n-type side? Does the E_f on the p-type side increase or decrease (go up or down) and does the E_f on the n-type side go up or down?