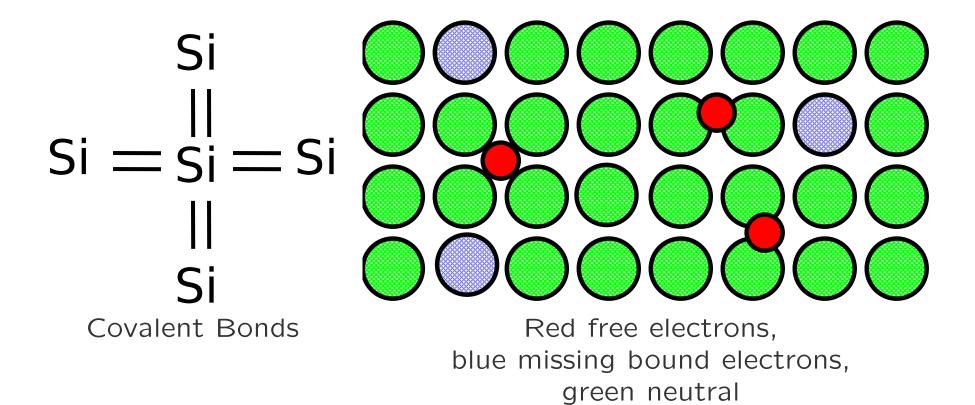
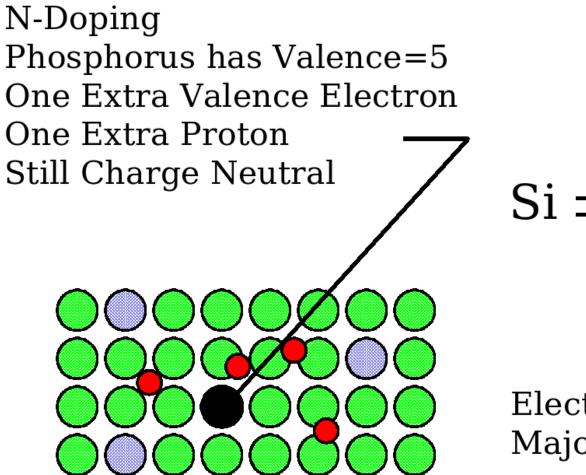
Intrisic Semiconductor

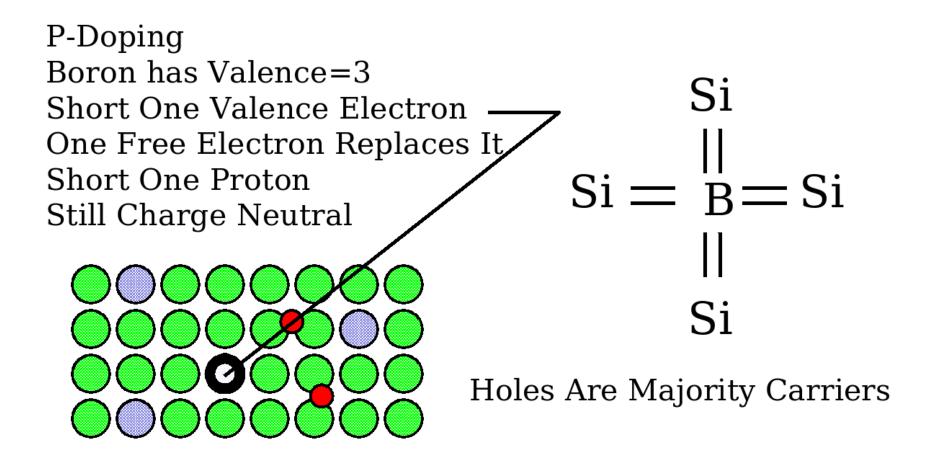


N-Doped Semiconductor

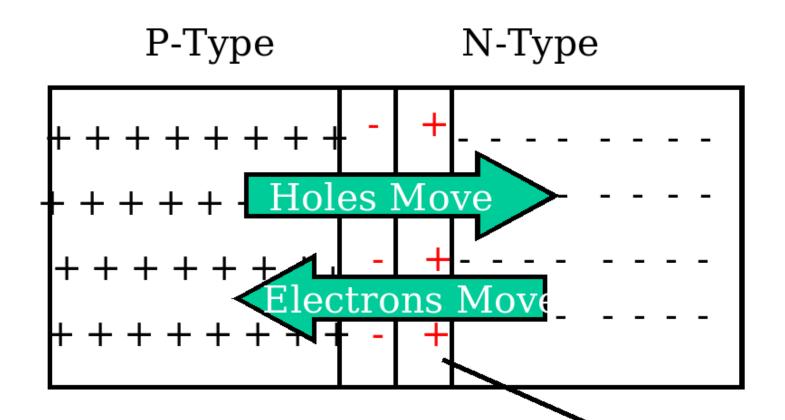


Electrons Are Majority Carriers

P-Doped Semiconductor



Junction



Free charges diffuse across boundary and Expose Bound Charges

Diffusion and Drift (Zero Bias)

