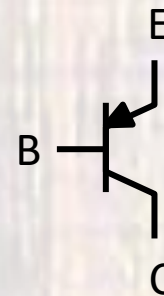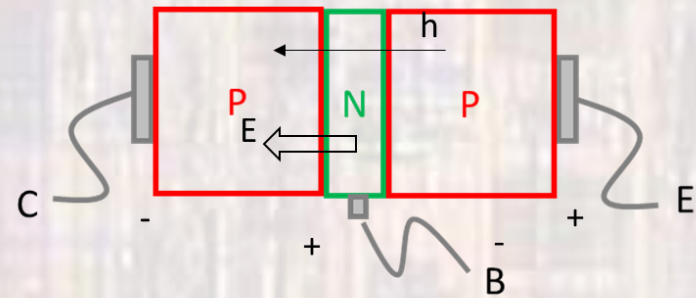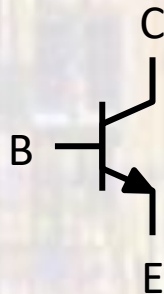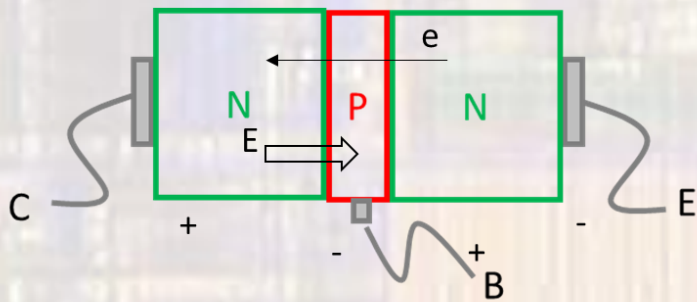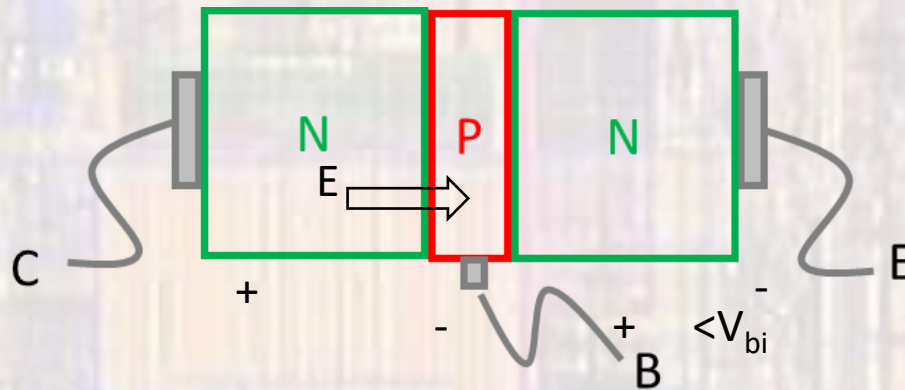# BJT Cutoff

Last updated 2/21/22

BJT Cutoff

- Review

arrow points in direction
of the P-N junction
of the B/E diode

BJT Cutoff

- Forward Active Mode - NPN
  - B-E junction < V_{bi}, C-B junction reverse biased

- Both diodes are 'off'
- No current flow

$$I_C = I_E = I_S \left[e^{\left(\frac{V_{BE}}{nV_T}\right)} \right] = I_S$$

$$I_B = 0$$