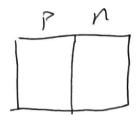
Pn

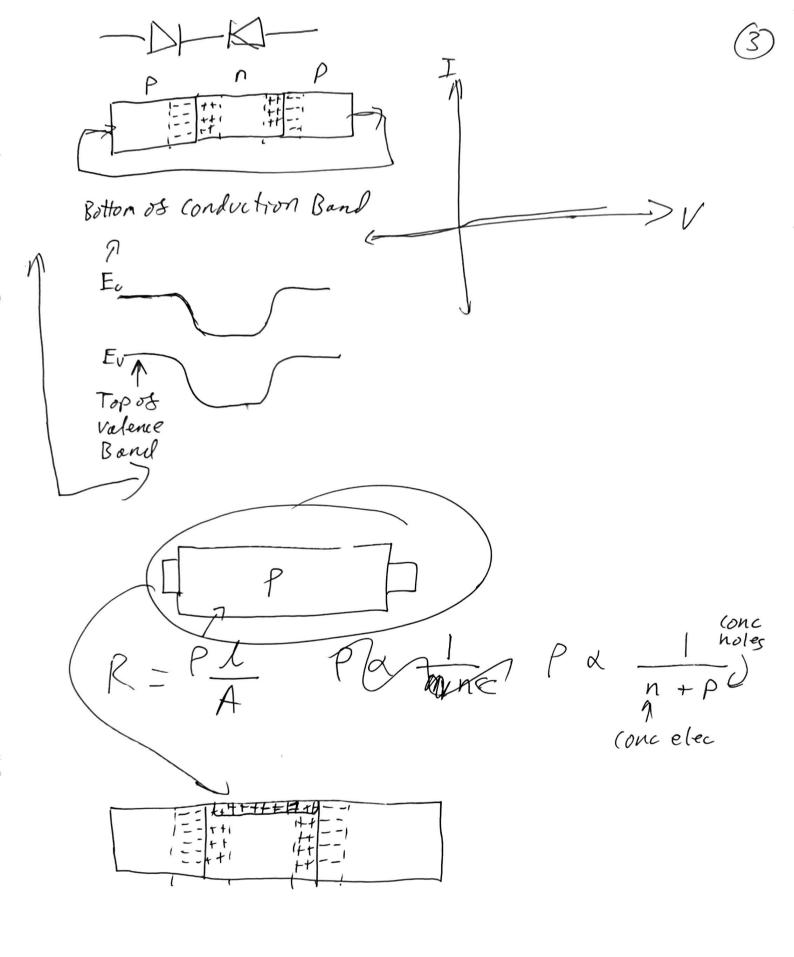


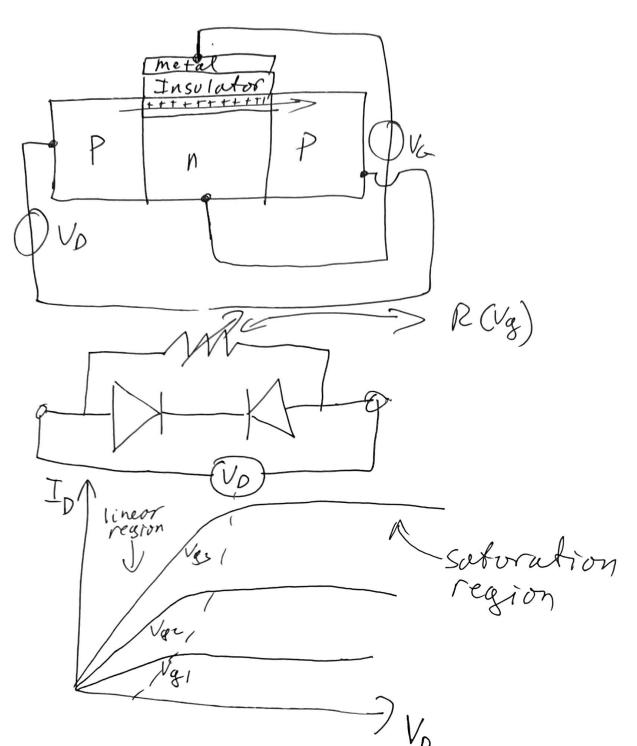
P-type semiconductor: a semicond. doped such that we have a concentration of holes in the valence band

n-type semi: doped s.t. we have a concentration of ein conduction band

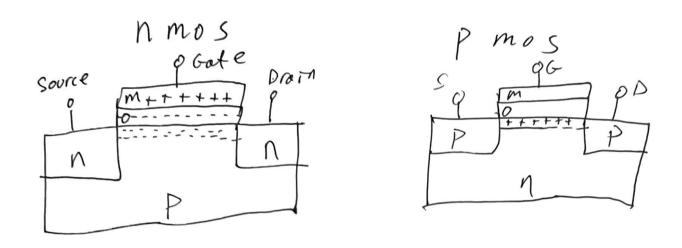
when we put the prijuration together we get a depletion region at the intersoce

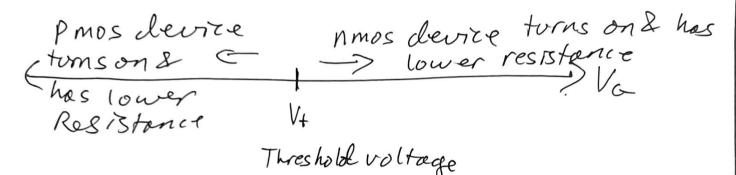
-no concentration of e no concent. of holes EA 0000 Zxa position Forward Bras Reverse Bias 0000





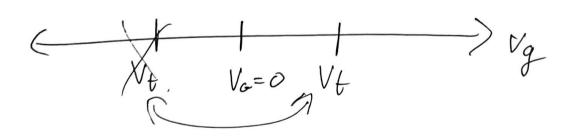
Is Vg is below the threshold voltage, then goodont short out the back to back pri junctions





ald voltage 1/- is the wal

The threshold voltage, VT, is the voltage at which the Channel forms.



The CMOS Inverter CMOS Buffer VOD VM -o Vout cmosNAnd Gate VOD A and B Block 6 VMB QUMA O Vout