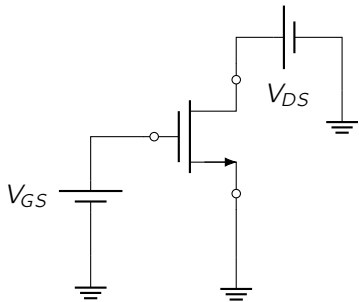
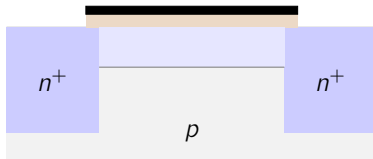


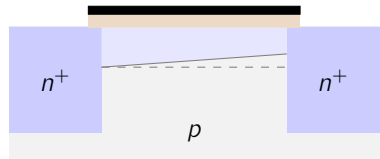
## Effect varying $V_{DS}$ on the MOSFET channel for a fixed $V_{GS}$



(i)  $v_{DS} = 0V$



(ii)  $v_{DS} < v_{GS} - V_t$



(iii)  $v_{DS} = v_{GS} - V_t$

