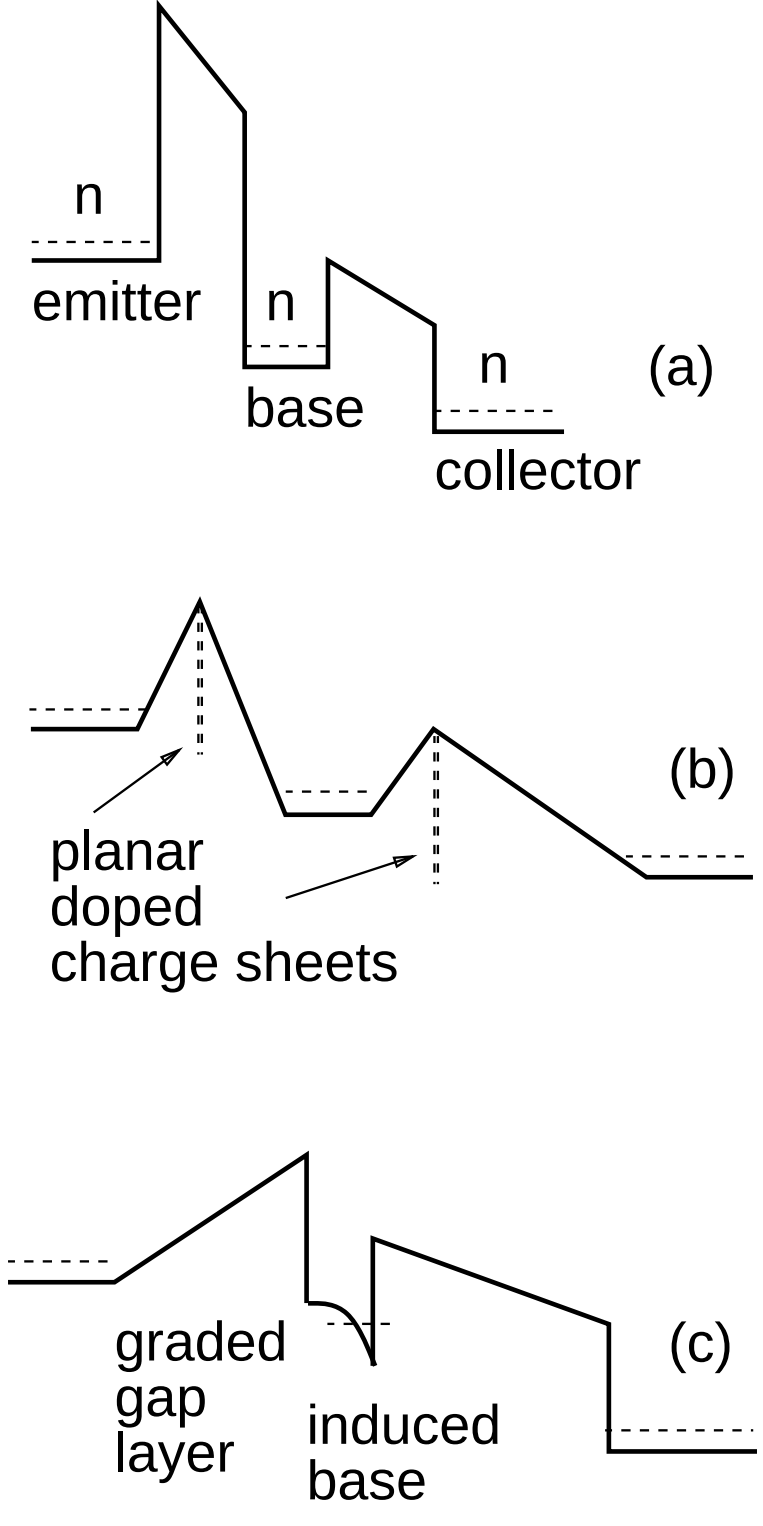
n
emitter
n
base
n
collector
(a)
(b)
planar
doped
charge sheets
graded
gap
layer
induced
base
(c)