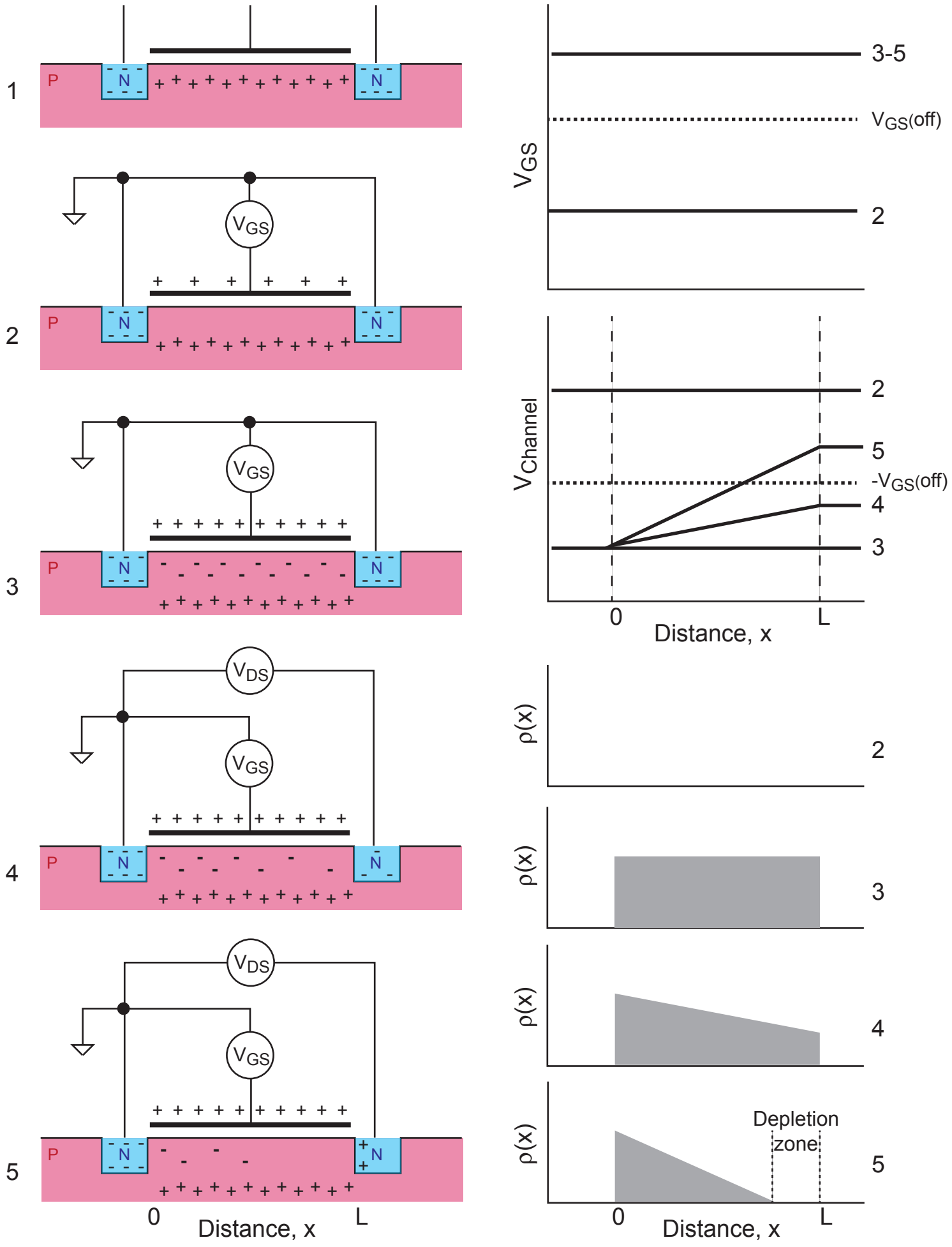
1
P
N
N
2
V_{GS}
3
V_{GS}
4
V_{DS}
V_{GS}
5
V_{DS}
V_{GS}
0
L
Distance, x
V_{GS}
3-5
$V_{GS(off)}$
2
$V_{Channel}$
2
5
$-V_{GS(off)}$
4
3
0
L
Distance, x
ρ(x)
2
ρ(x)
3
ρ(x)
4
ρ(x)
Depletion zone
5
0
L
Distance, x