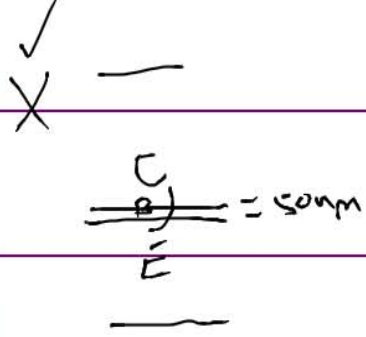
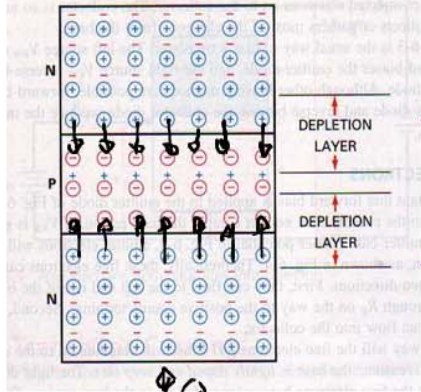


FIGURE 6-1 Structure of a transistor.

جامع
قاعدة
باعث



npn
Si: 5×10^{22} atoms/cm³



$10^{17} - 10^{18}$ moderately doped
0.1%
 $10^{19} - 10^{20}$ heavily doped

$p \sim 10^{16}$ lightly doped

n-type:

P
As
Sb
Antimony
Alscide

Sb
antimony

p-type:
Al
Ga
In