

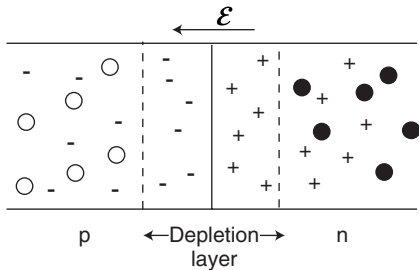
(b)

○ Free hole

● Free electron

+ Ionized donor

- Ionized acceptor



(c)

