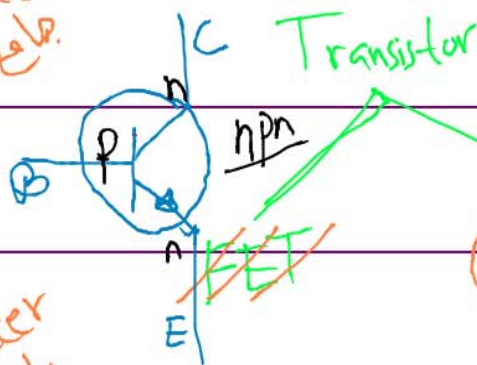
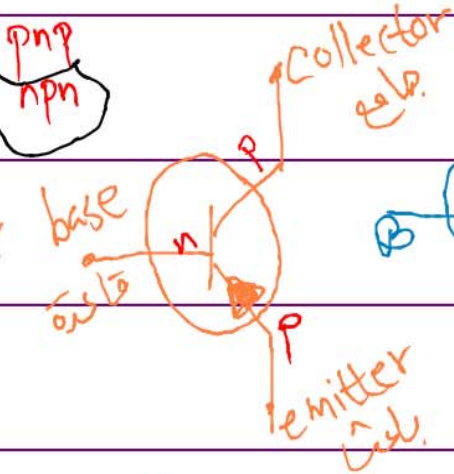
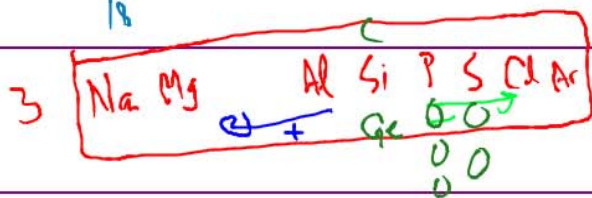
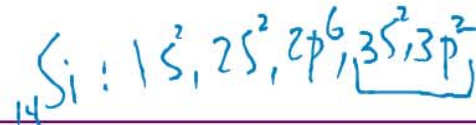
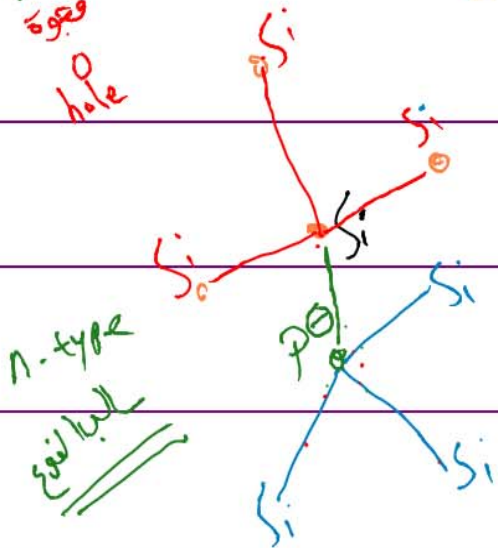


BJT  
Bipolar  
Junction  
Transistor



BJT

نوع المادة  
p-type  
فجوة  
hole



$n_{\text{Si}} = 5 \times 10^{22} / \text{cm}^3$



$n \approx 10^{16} - 10^{22}$