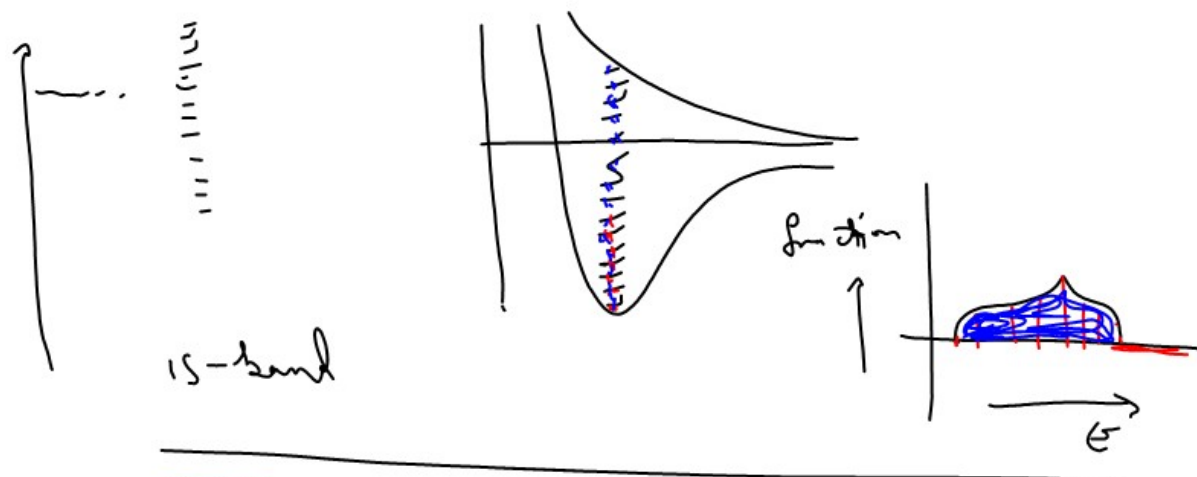
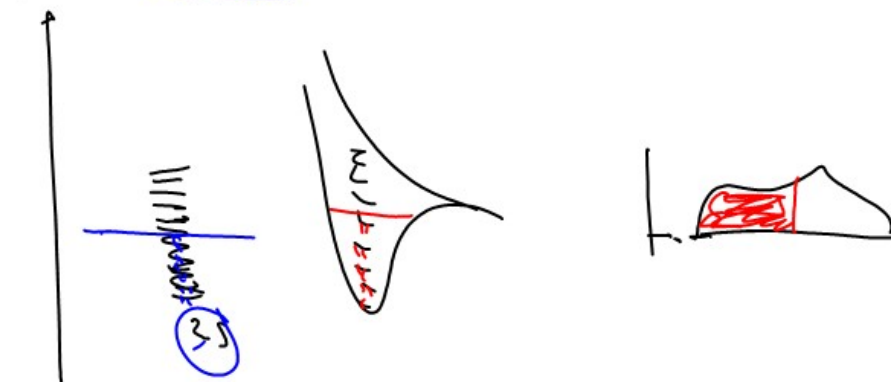
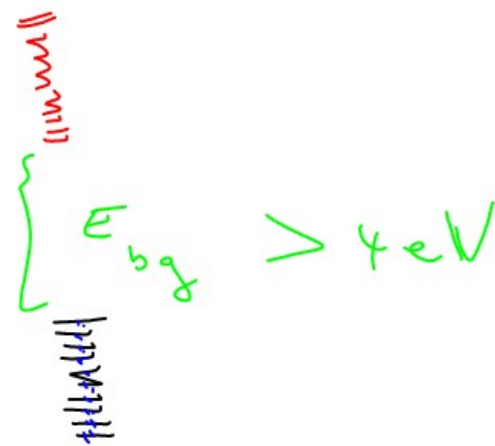
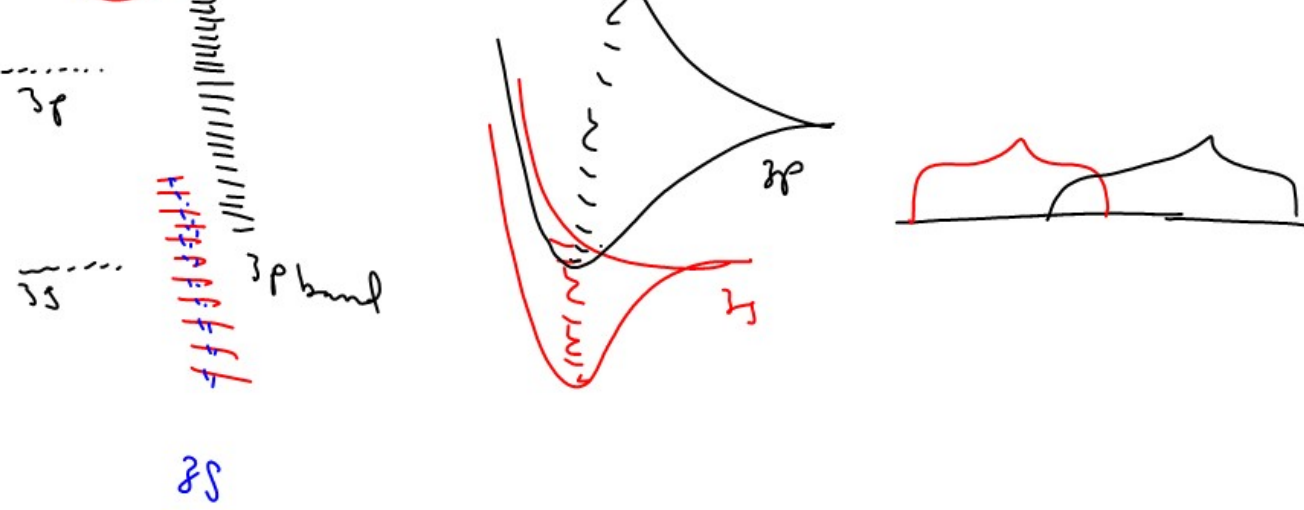




Na(s)



$\text{Mg } 3s^2$

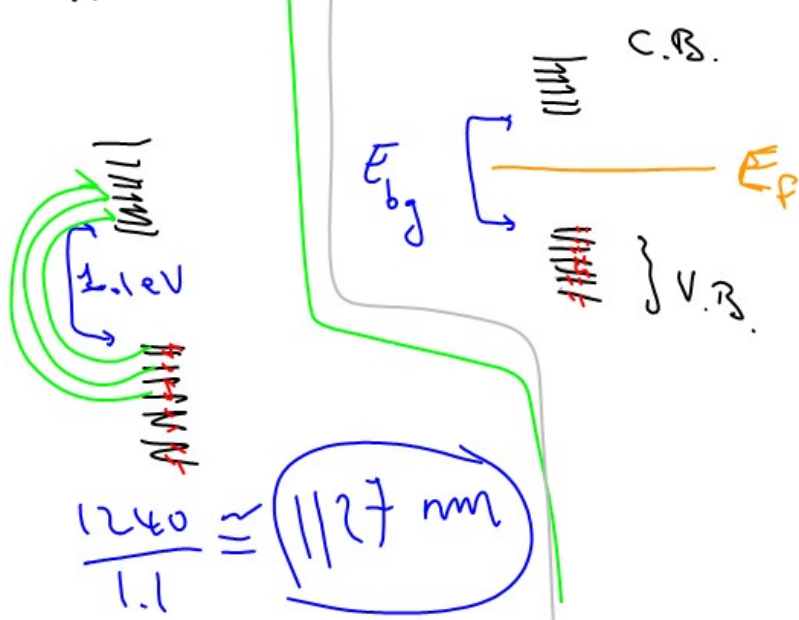


Insulator

$$\lambda = \frac{1240}{11 \text{ eV}} = 110 \text{ nm}$$



Semicond. Ex Intrinsic S.C.



$$\frac{1240}{1.1} \approx 1127 \text{ nm}$$

