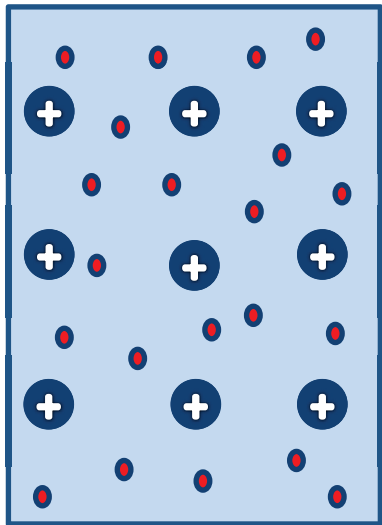
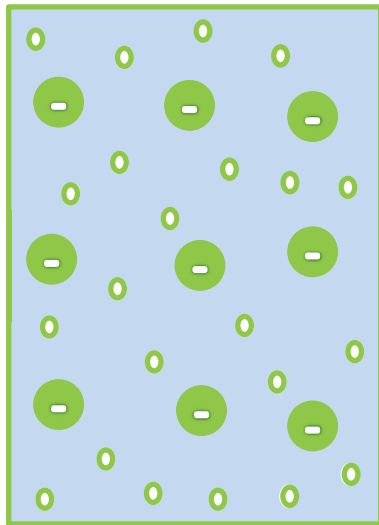


**N-Type**



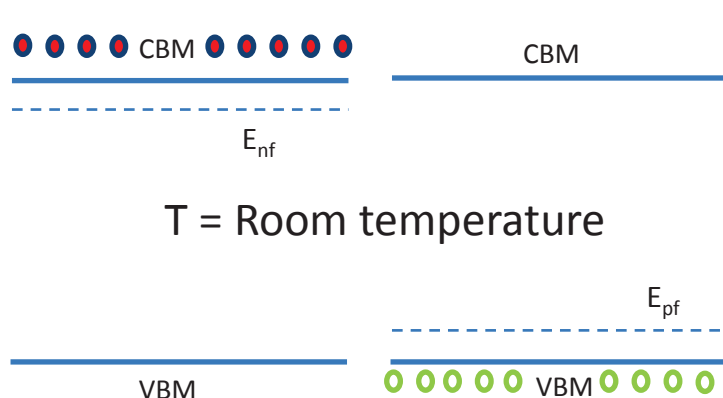
**P-Type**



**N-Type**



**P-Type**



**T = Room temperature**

CBM: Conduction band minimum

VBM: Valence band maximum

Negatively charged electrons

Positively charged immobile ions

Positively charged holes

Negatively charged immobile ions