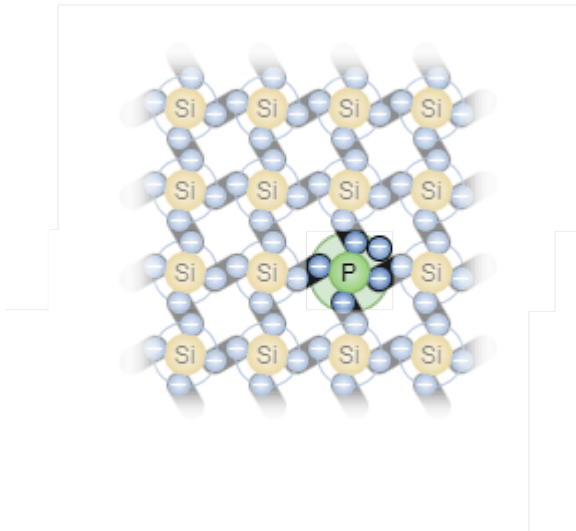
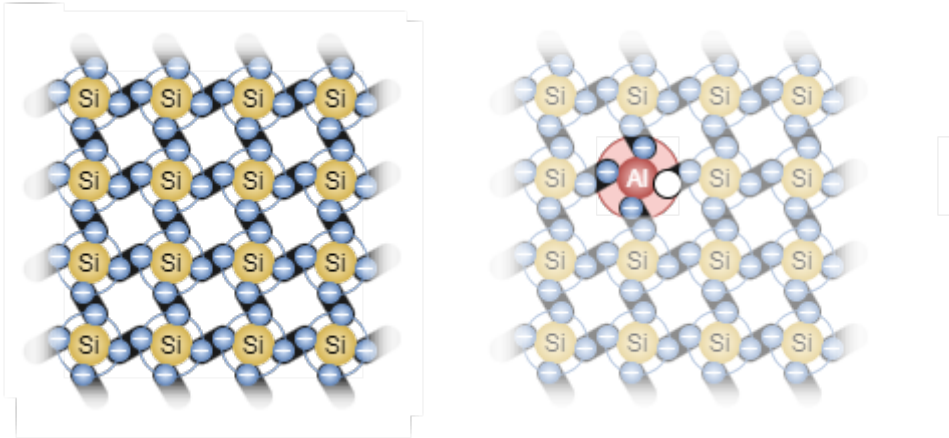


# 2 Diodes and Transistors

## Student Group

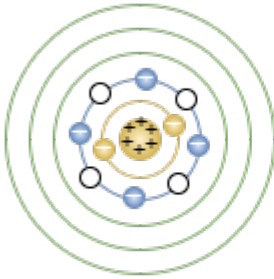
First Name	Surname	Matrikel Nr.

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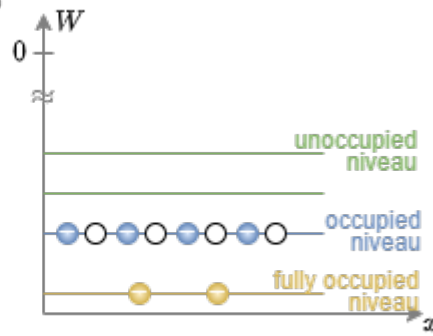


Bohr atomic model

1a

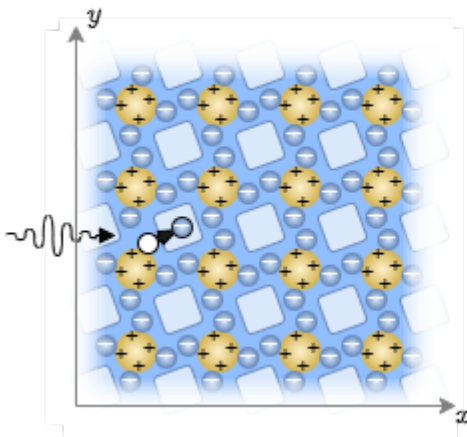


1b

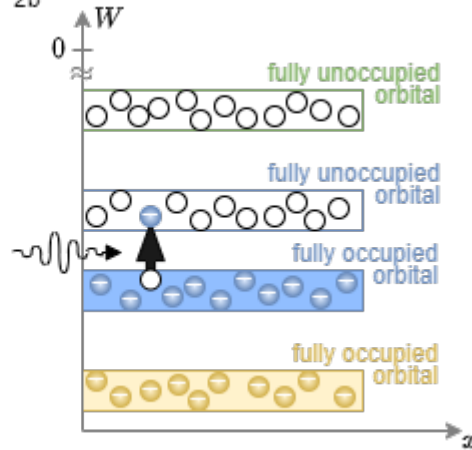


2a

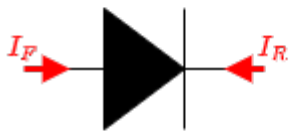
Band model



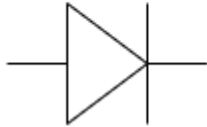
2b



	a)	b)	c)	d)
1. Intrinsic				
2. n-Doped				
3. p-Doped				



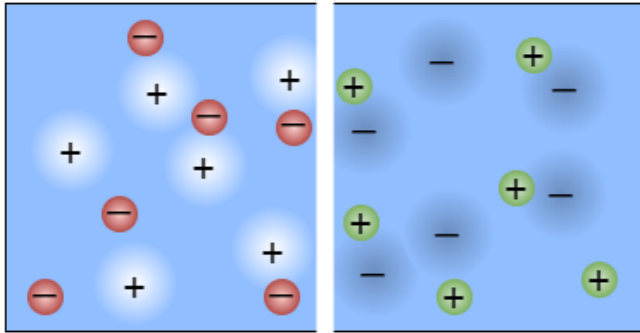
IEEE



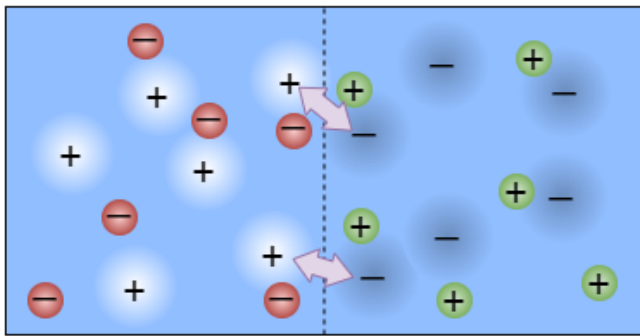
DIN/EN

p-Doped

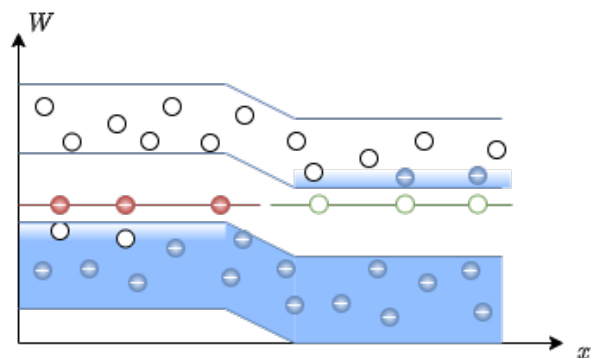
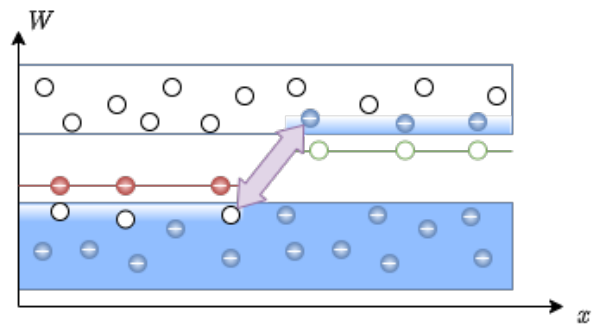
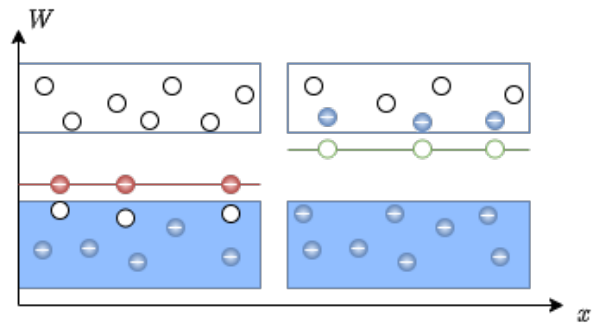
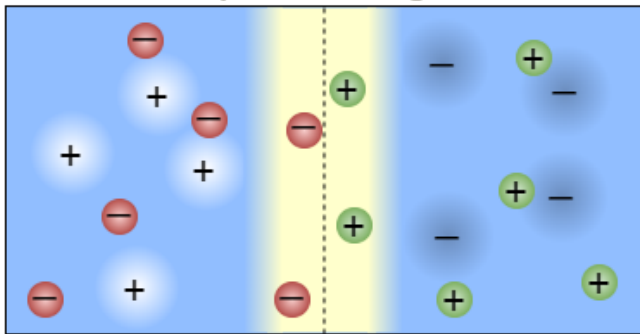
n-Doped



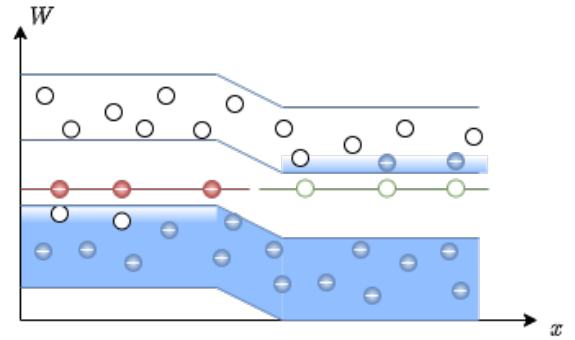
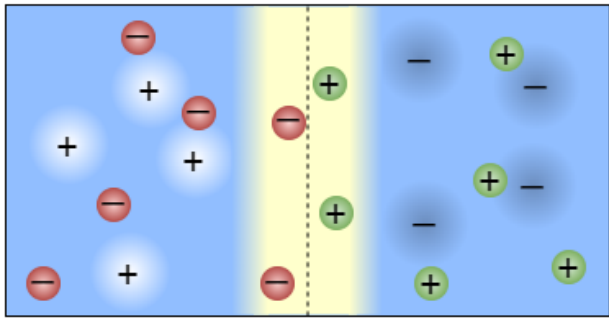
Recombination



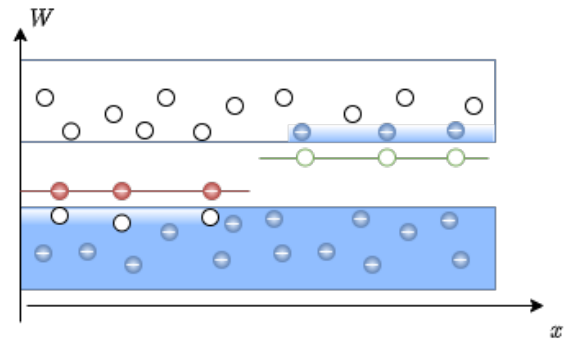
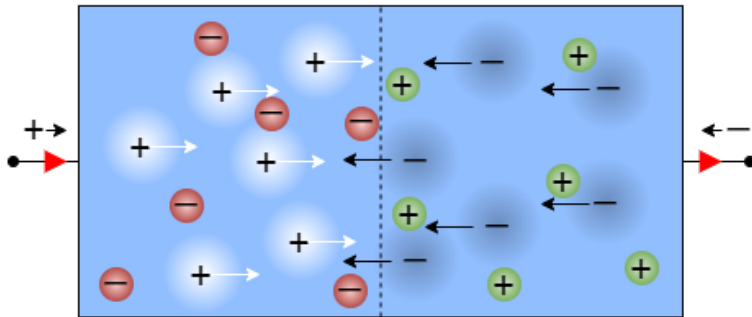
Depletion Region



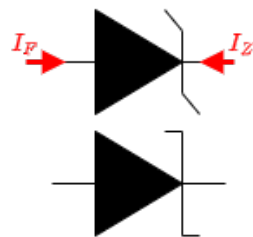
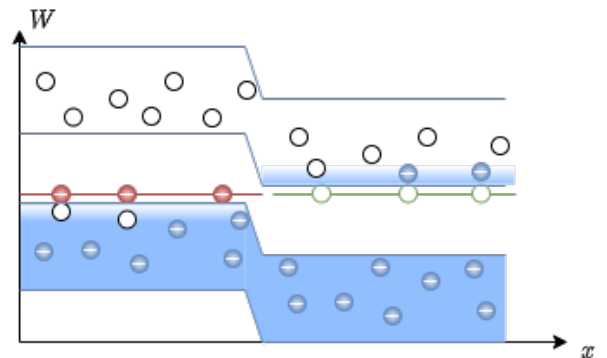
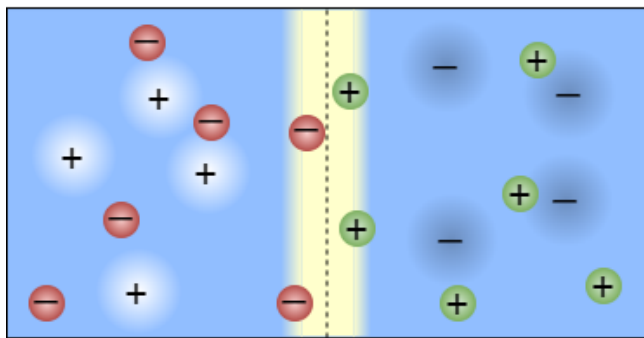
### without external Voltage



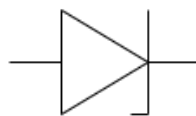
### with $U_F > 0$



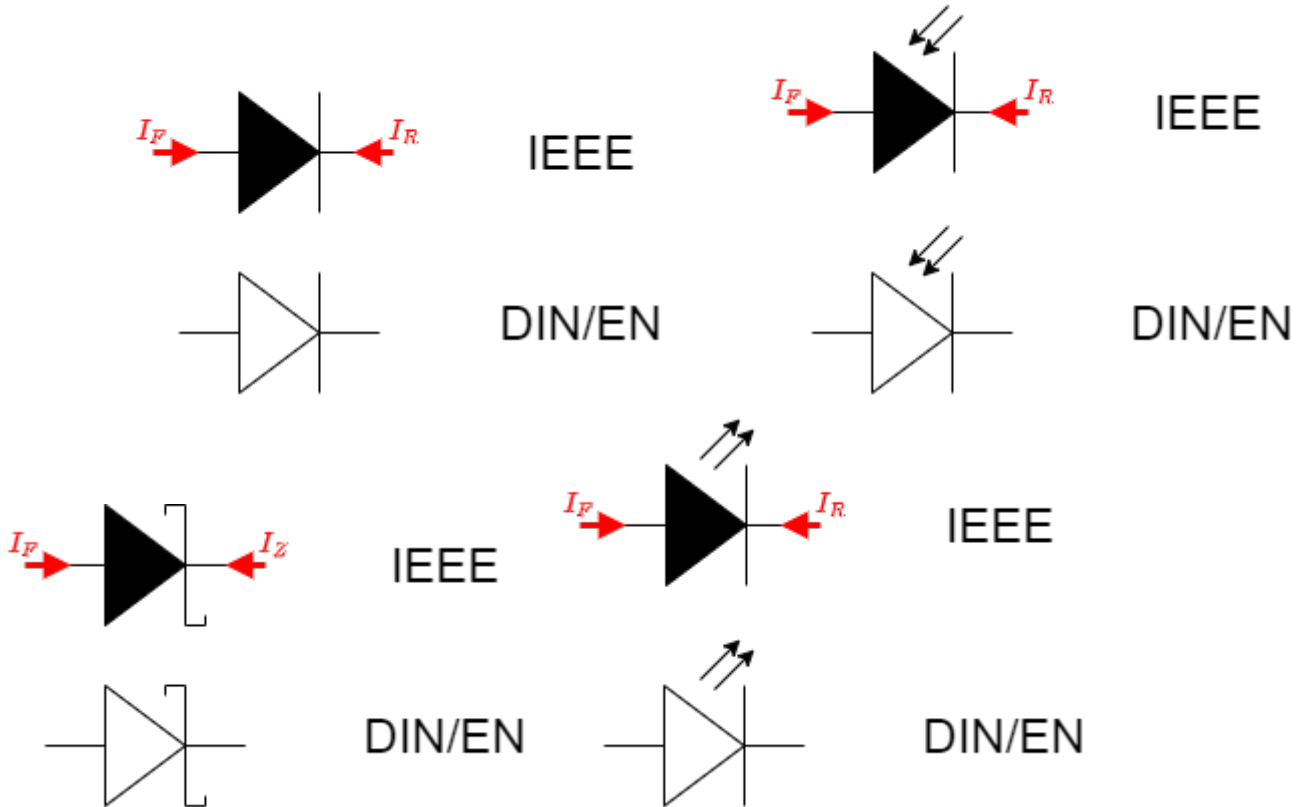
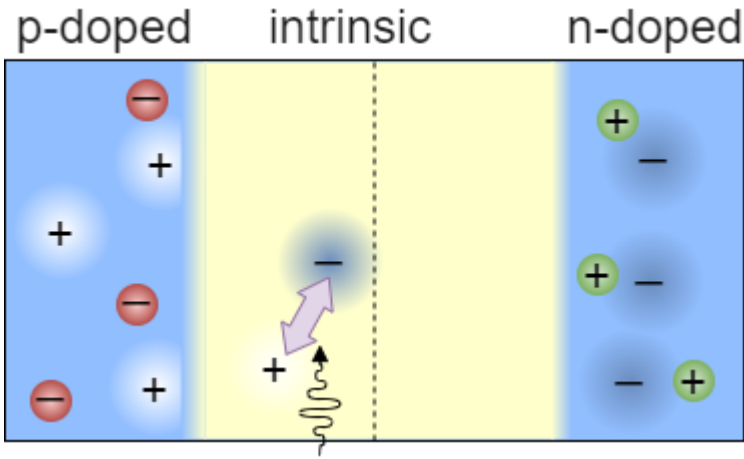
### pn Junction with steep Doping



IEEE



DIN/EN



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