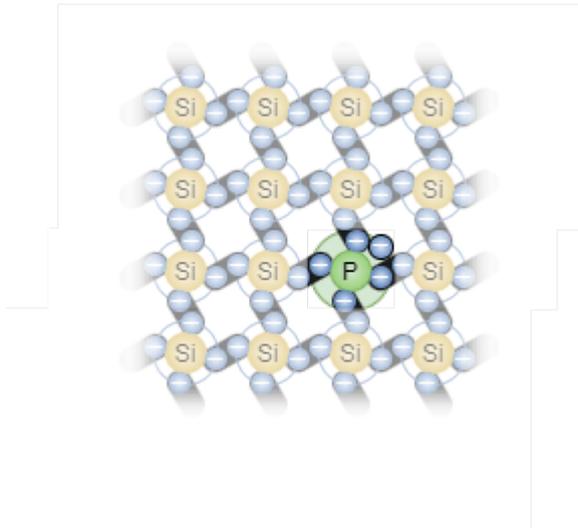
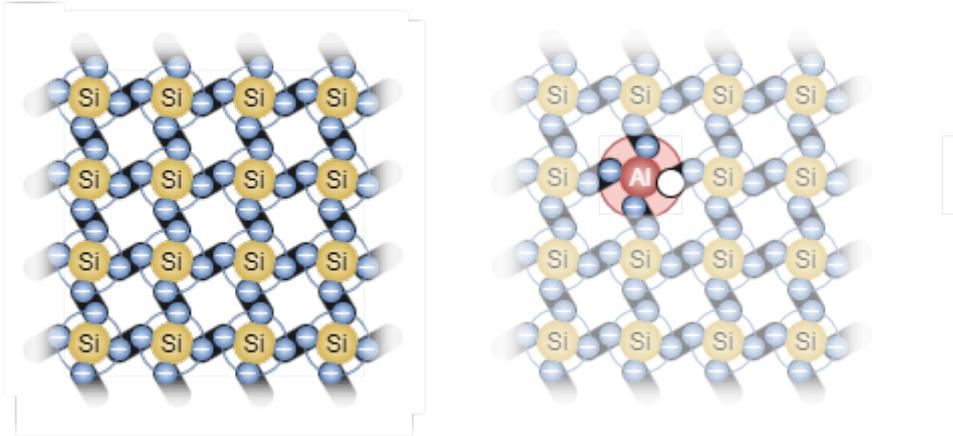


2 Diodes and Transistors

Student Group

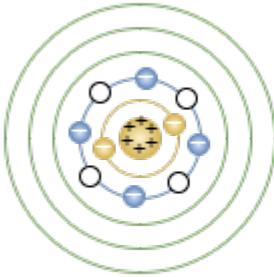
First Name	Surname	Matrikel Nr.

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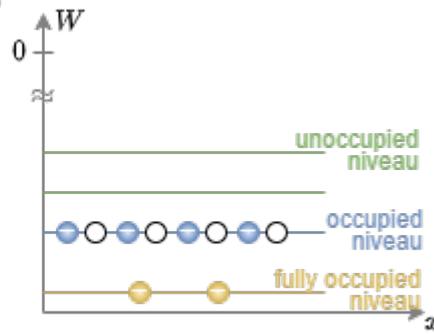


Bohr atomic model

1a

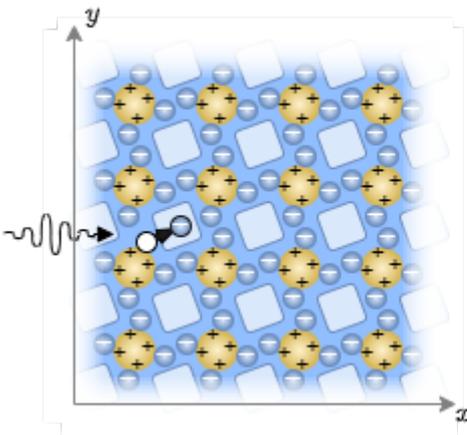


1b

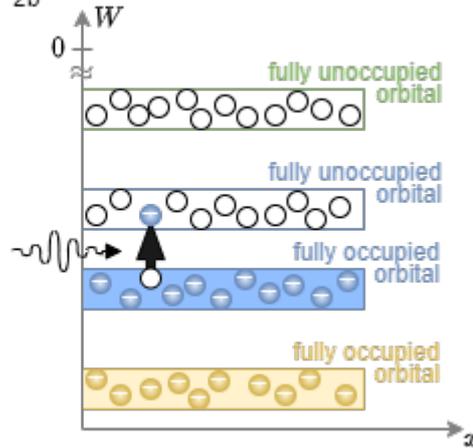


2a

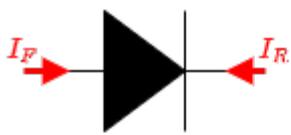
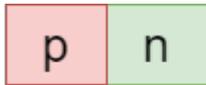
Band model



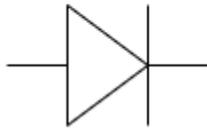
2b



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



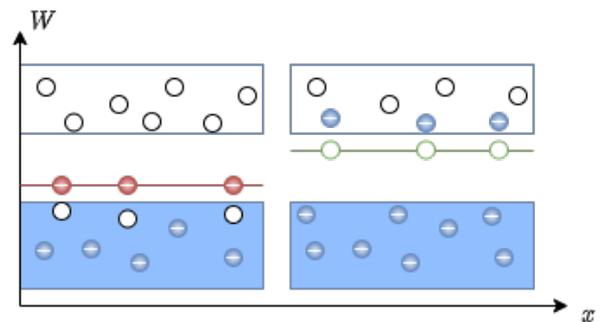
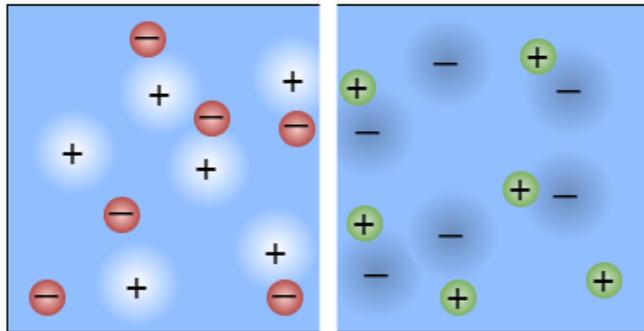
IEEE



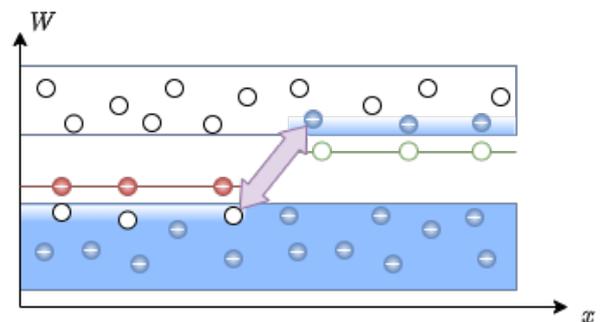
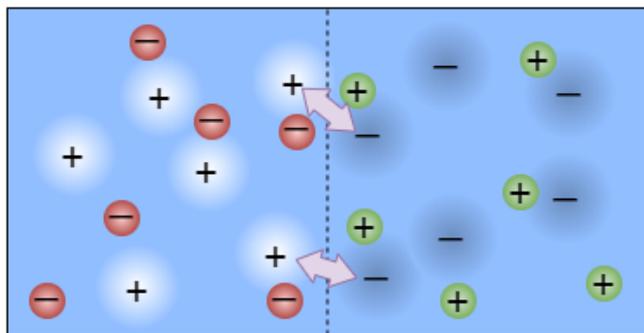
DIN/EN

p-Doped

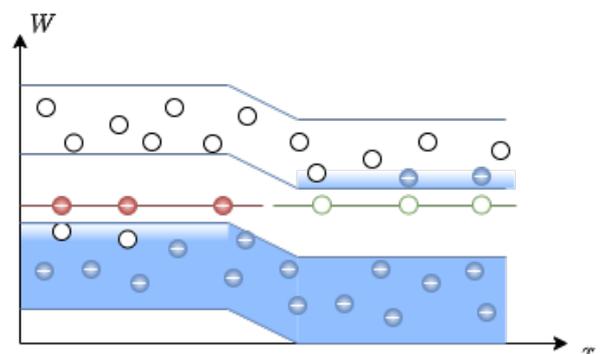
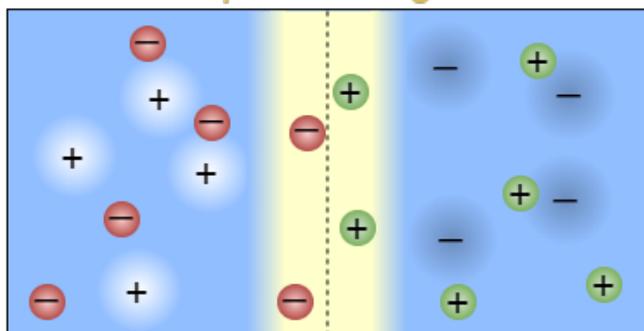
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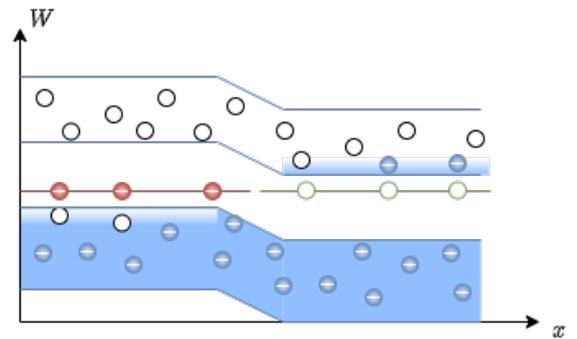
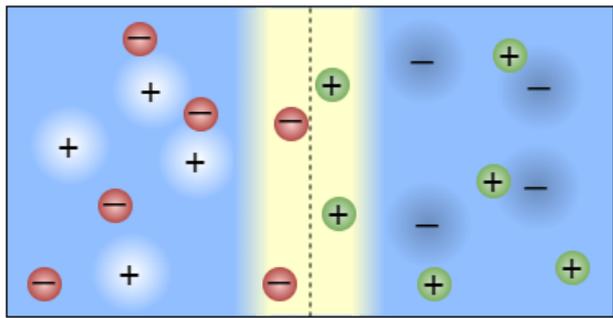
Recombination



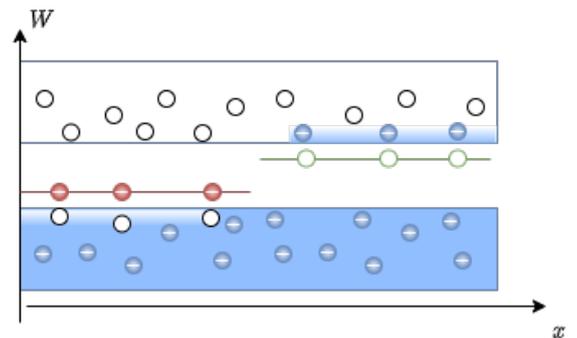
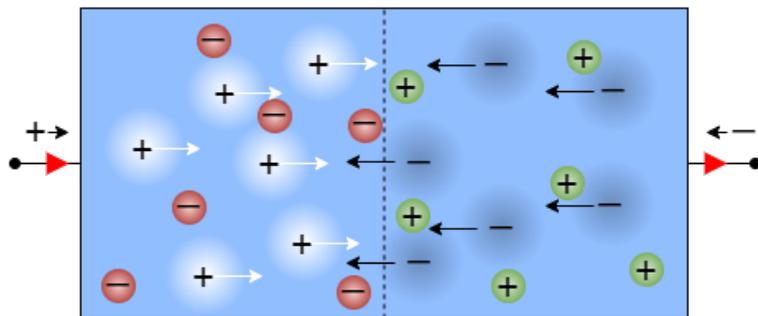
Depletion Region



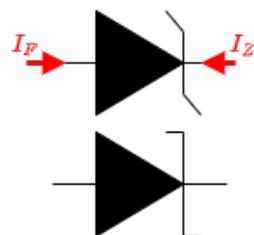
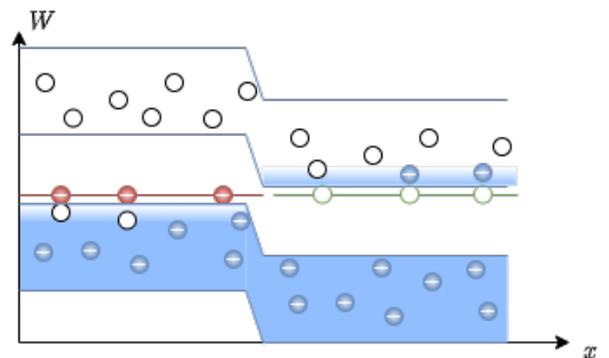
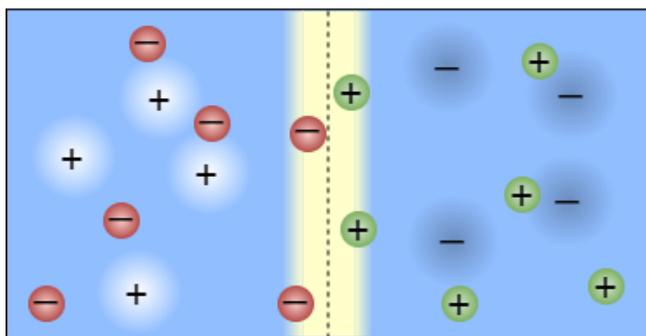
without external Voltage



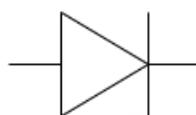
with $U_F > 0$



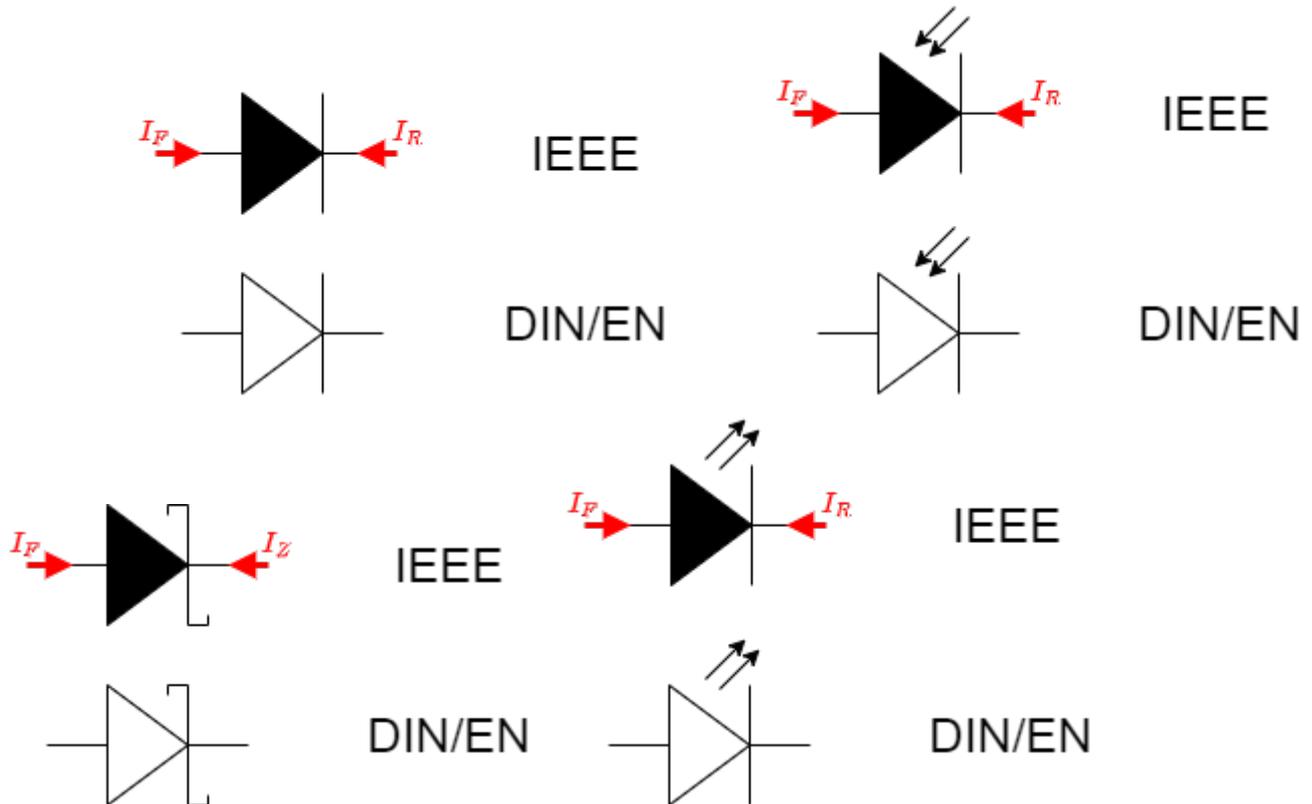
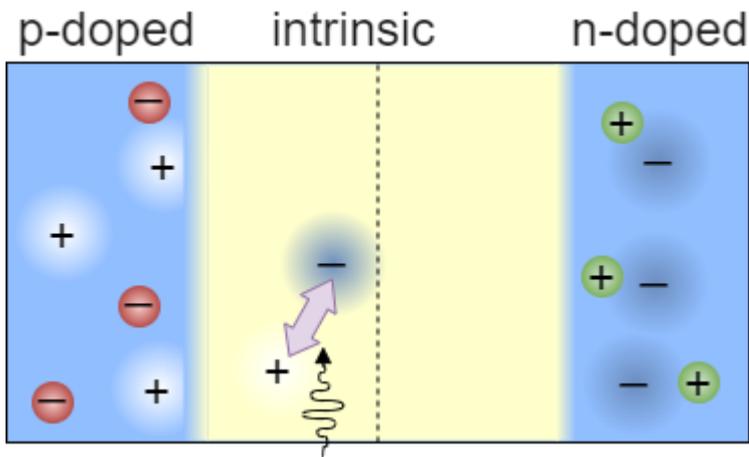
pn Junction with steep Doping



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