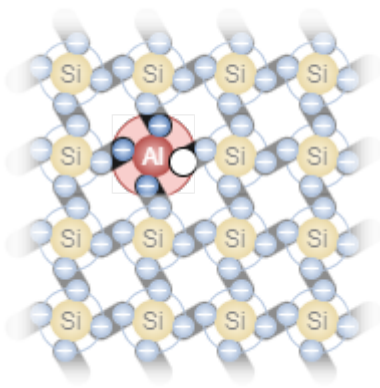


# 2 Diodes and Transistors

## Student Group

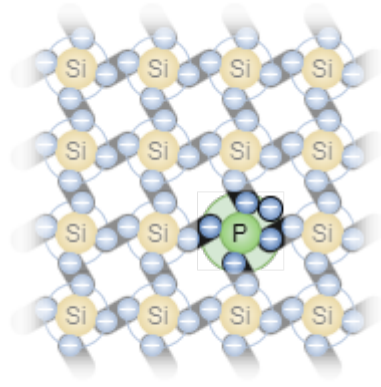
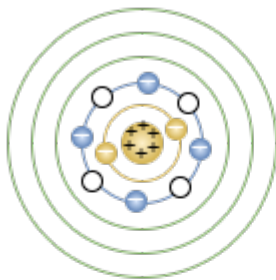
First Name	Surname	Matrikel Nr.

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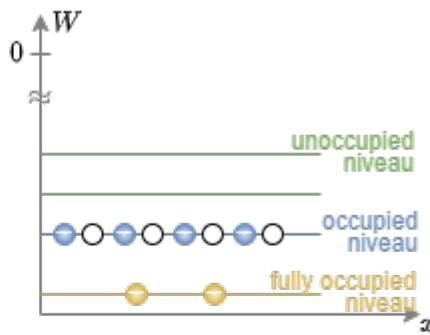


Bohr atomic model

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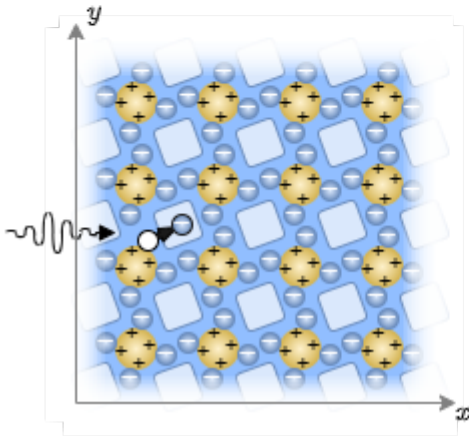


1b

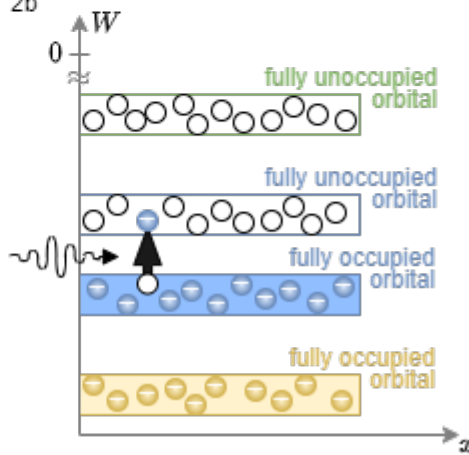


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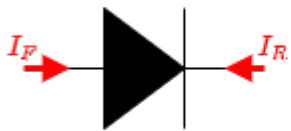
Band model



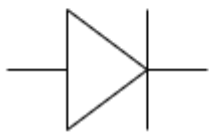
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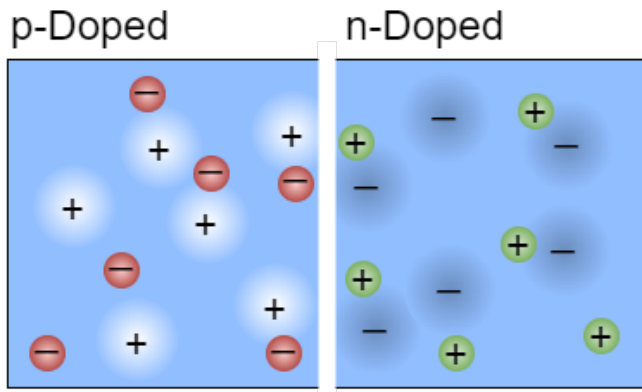
	a)	b)	c)	d)
1. Intrinsic				
2. n-Doped				
3. p-Doped				



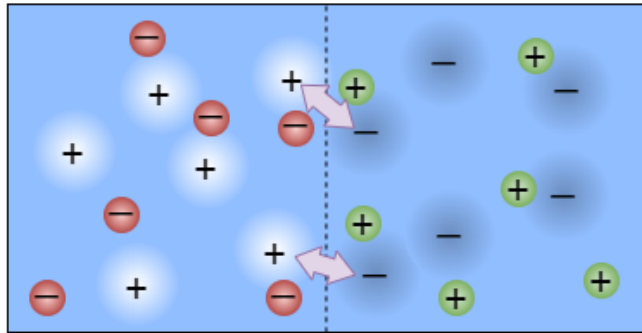
IEEE



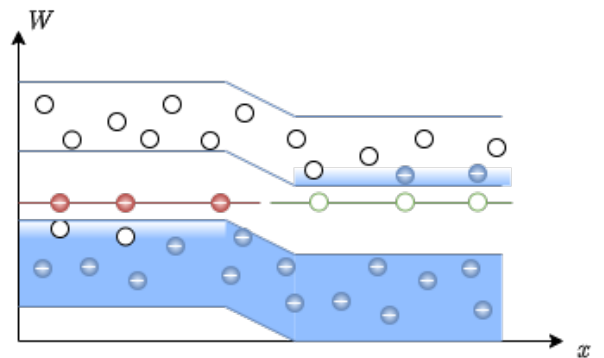
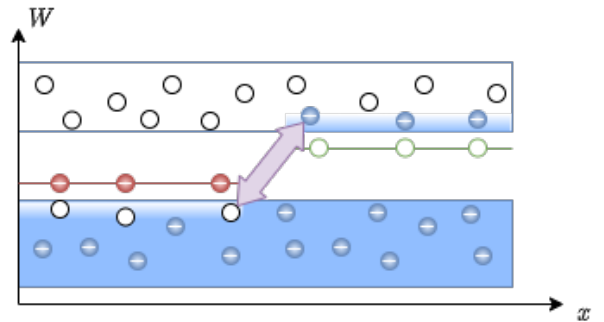
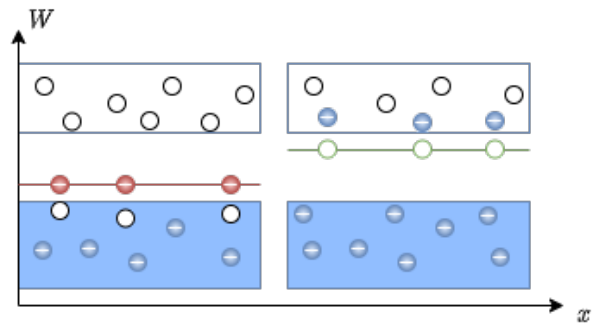
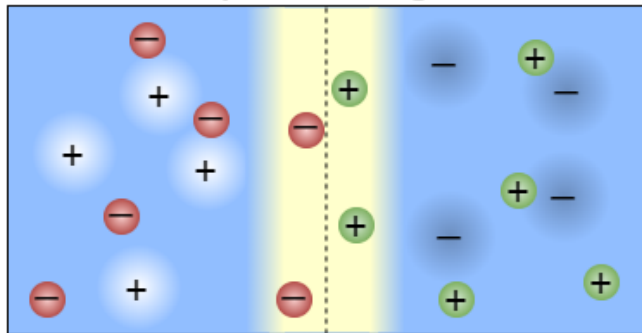
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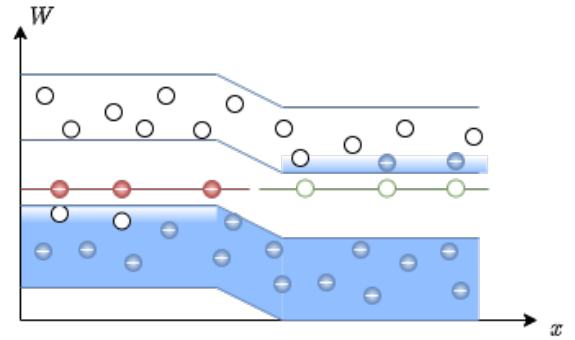
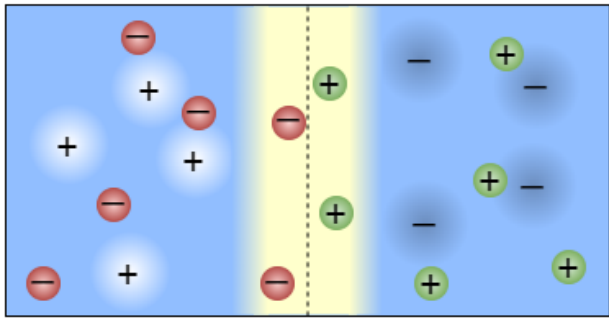
Recombination



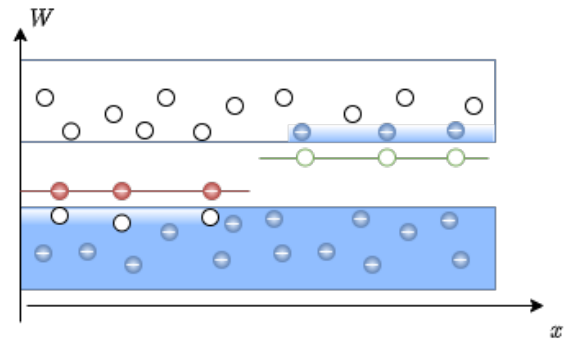
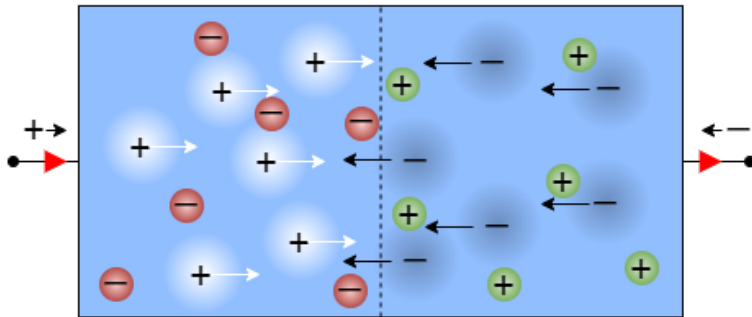
Depletion Region



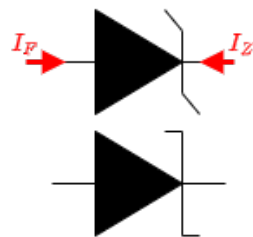
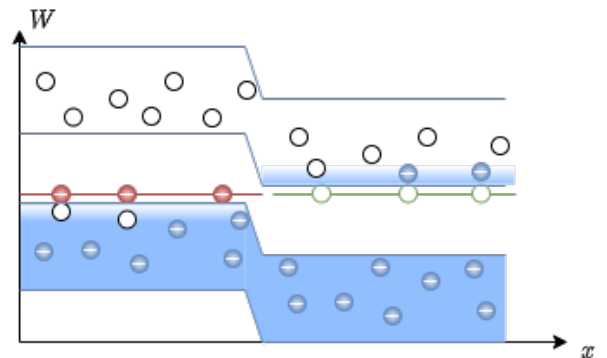
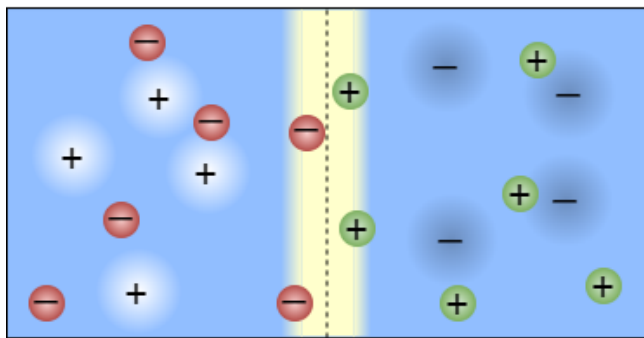
without external Voltage



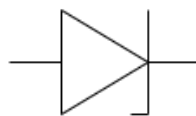
with  $U_F > 0$



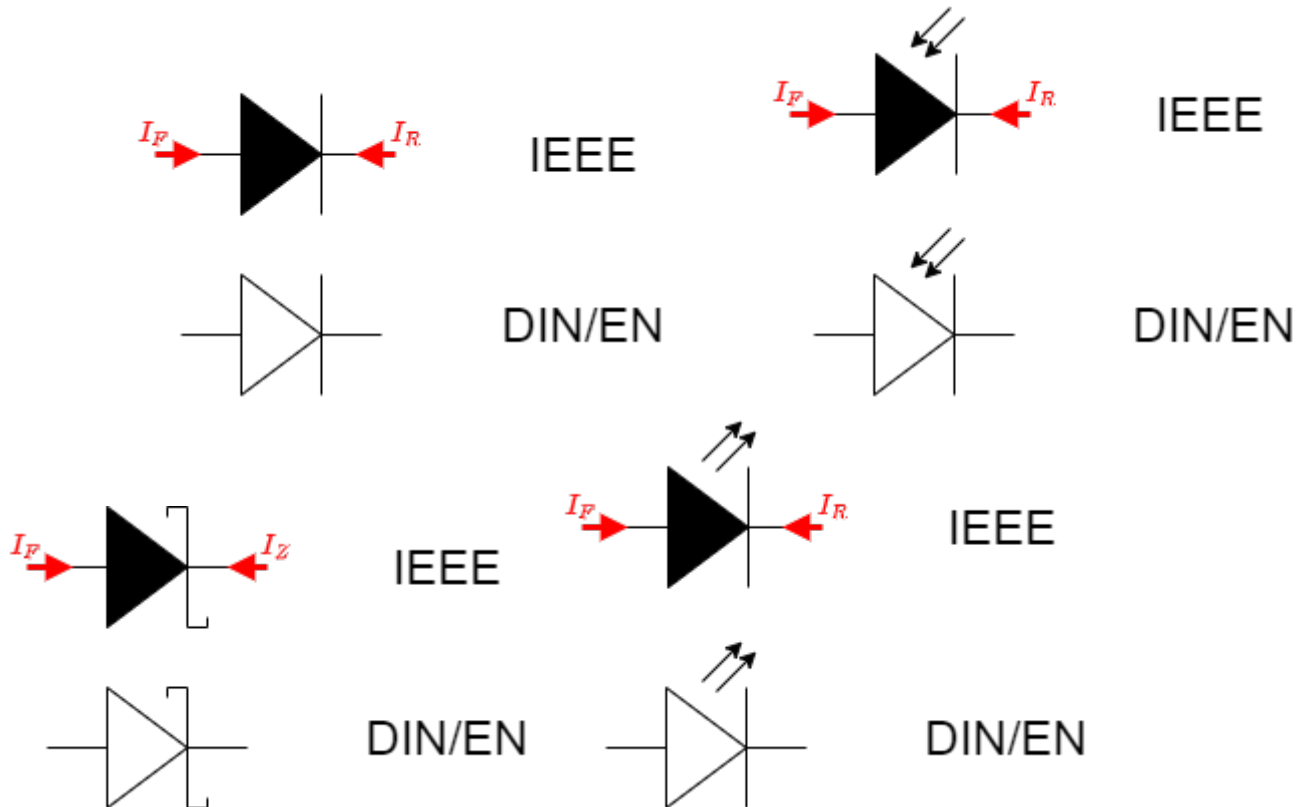
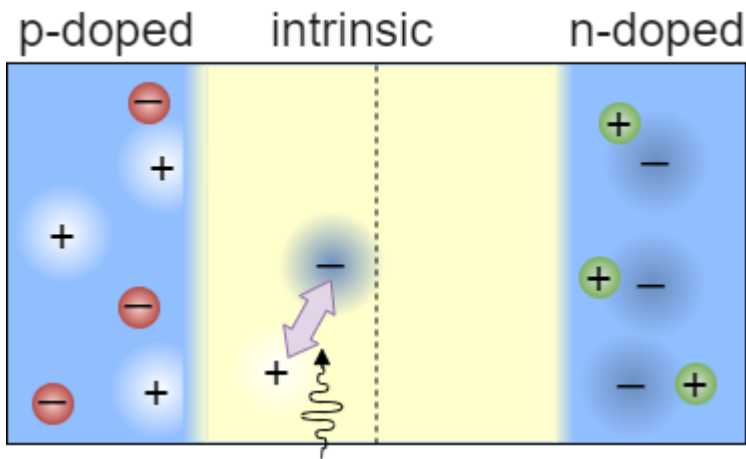
pn Junction with steep Doping



IEEE



DIN/EN



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