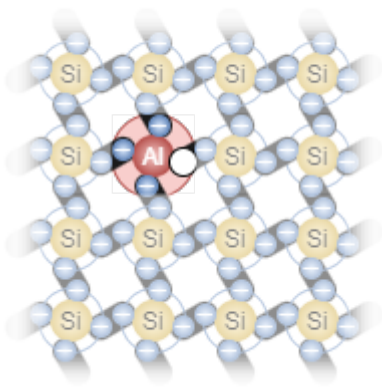


2 Diodes and Transistors

Student Group

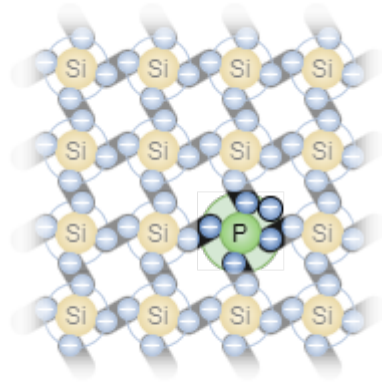
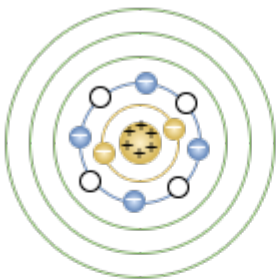
First Name	Surname	Matrikel Nr.

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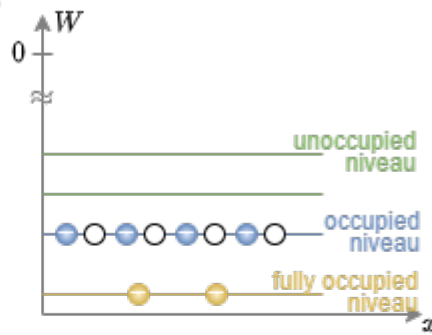


Bohr atomic model

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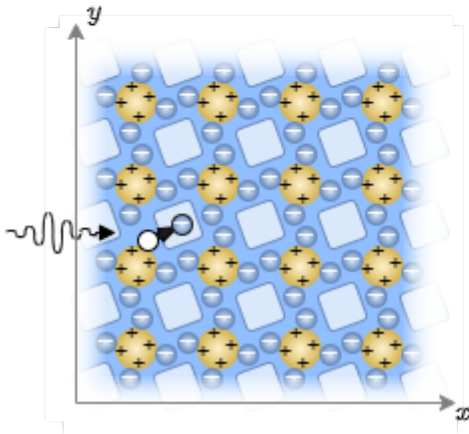


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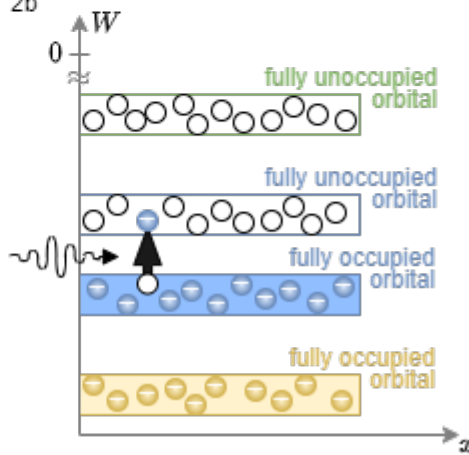


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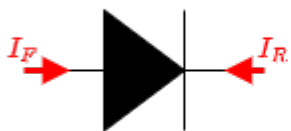
Band model



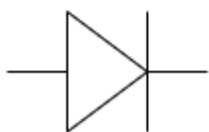
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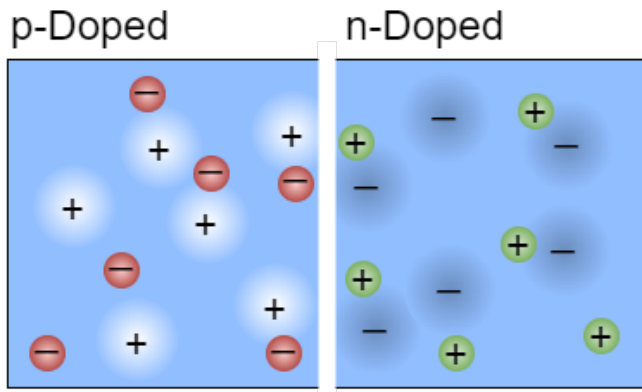
	a)	b)	c)	d)
1. Intrinsic				
2. n-Doped				
3. p-Doped				



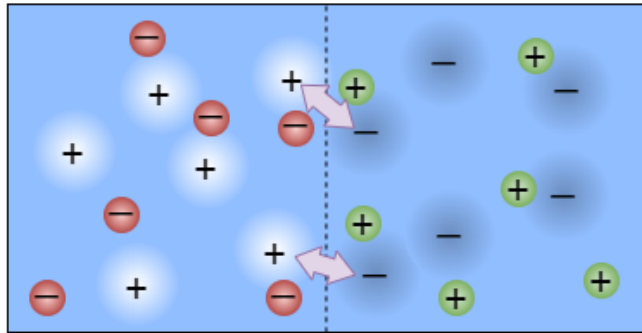
IEEE



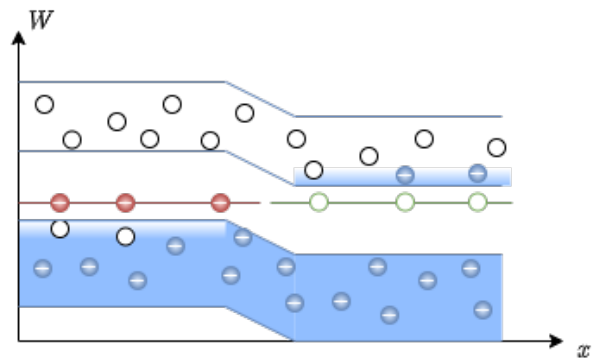
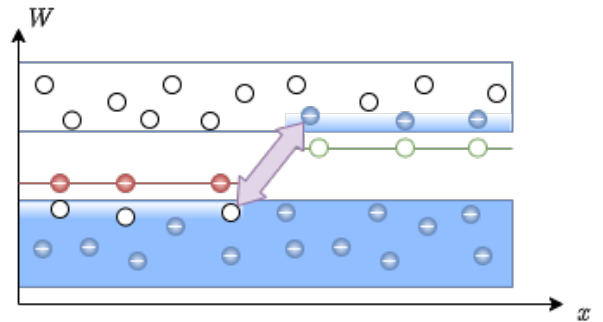
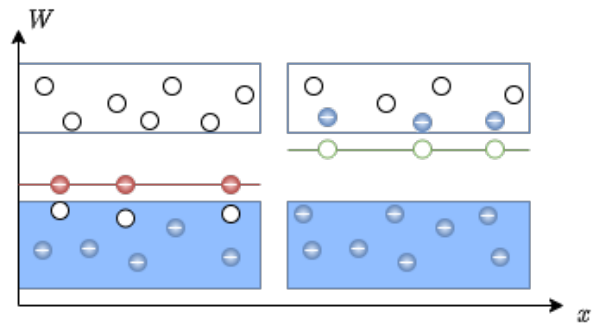
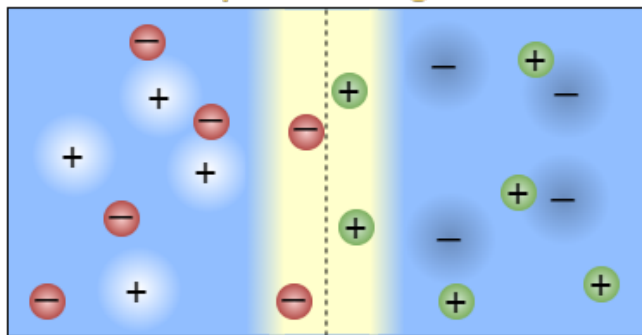
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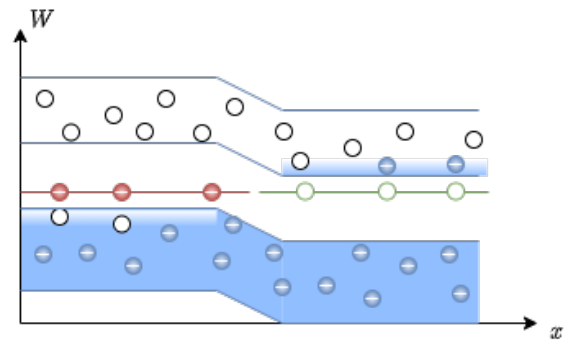
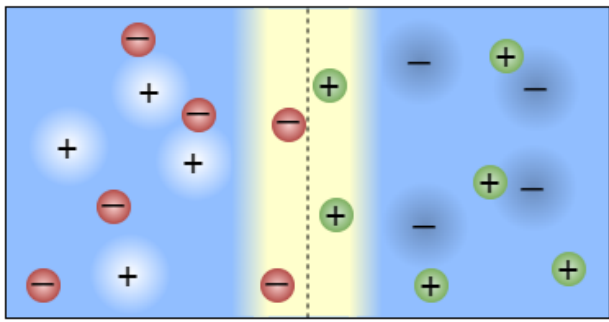
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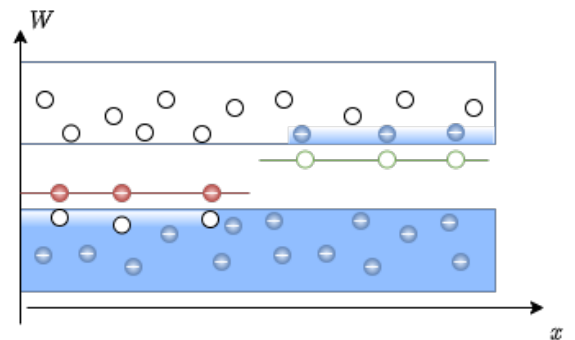
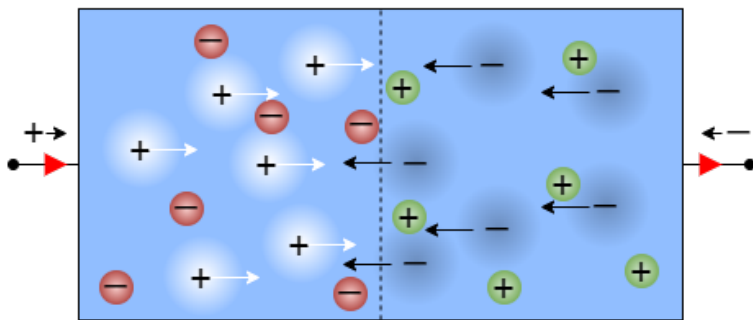
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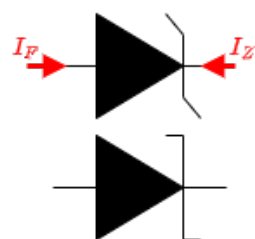
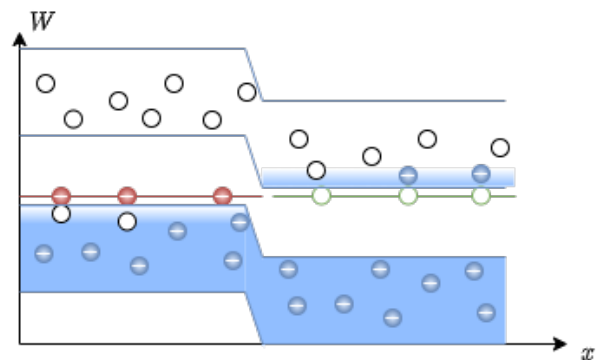
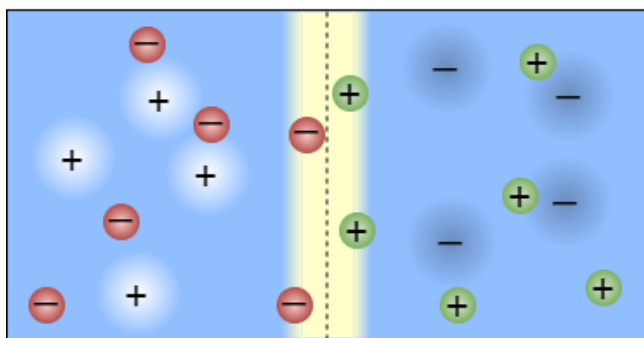
without external Voltage



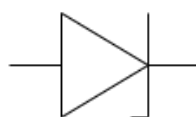
with $U_F > 0$



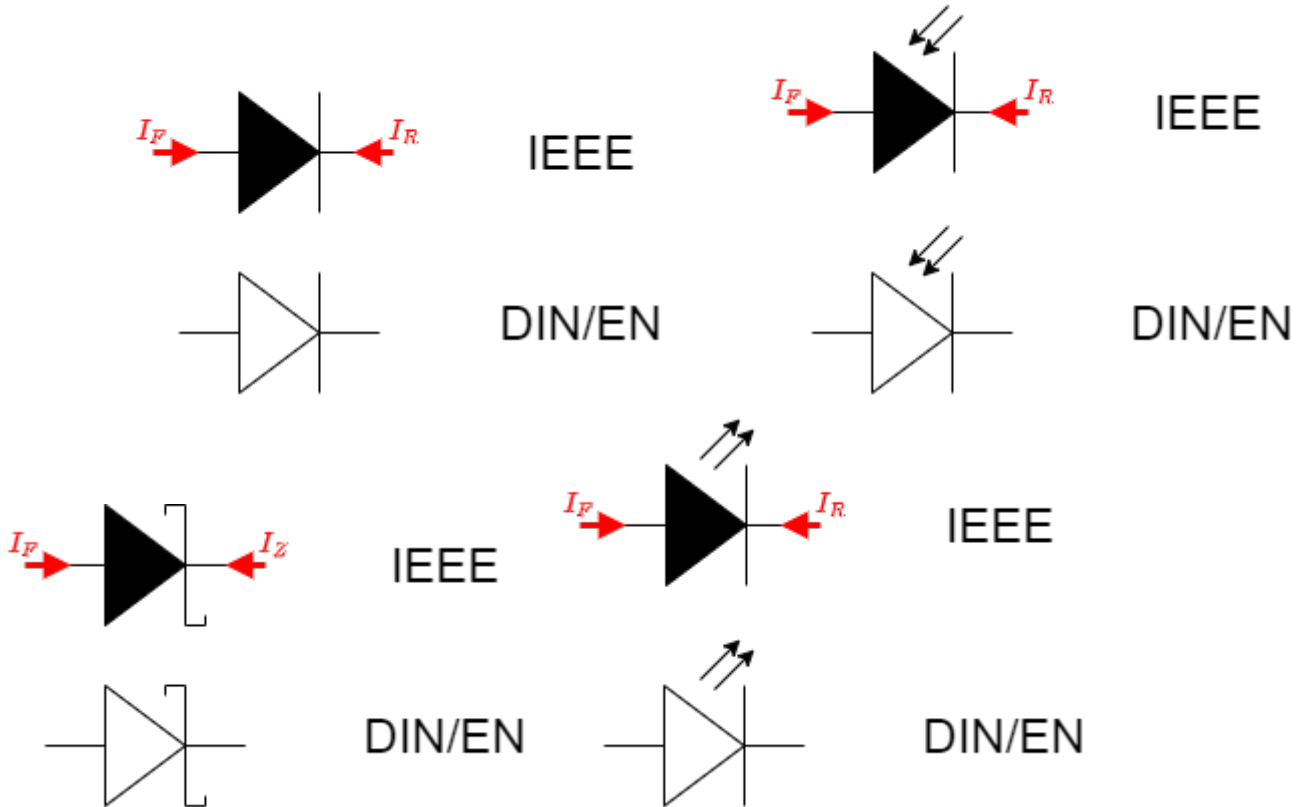
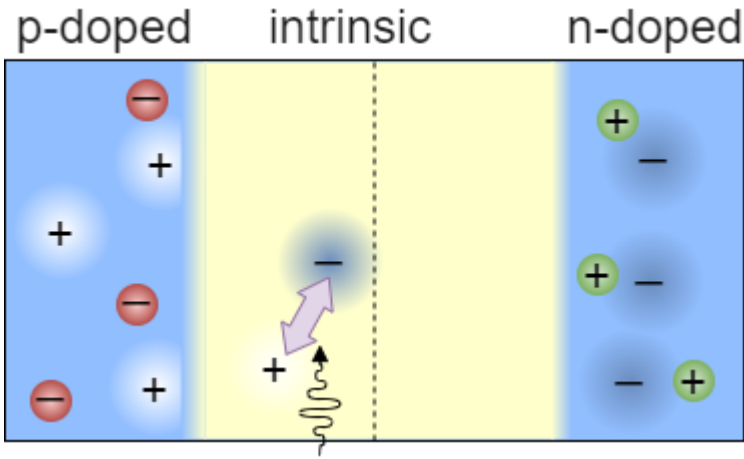
pn Junction with steep Doping



IEEE



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