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One of the most amazing properties of semiconductors, particularly direct-bandgap semiconductors, is the light emission, which revolutionized the opto-electronics field. Light emission can be caused through a variety of stimuli among which electroluminescence has seen the most practical application.

2. Optical Processes in Semiconductors

Optical Band Structure Phonon-assisted optical processes Optical transitions in bulk semiconductors Solid State Electronics | Optical Absorption and EHP Generation Optical Absorption in Materials {Texas A\u0026M: Intro to Materials} Higher Physics - Semiconductors 1: intrinsic \u0026amp; extrinsic semiconductors Generation and recombination in semiconductors | Class 12 (India) | Physics | Khan Academy Photonics-I, Mod1, Quantum confined Stark effect | Jeya P I Department of Physics L4 Optical Processes in Semiconductors- Electron-hole pair formation and recombination, absorption Phonon-assisted optical processes Electronic Devices Lecture-8: Direct and Indirect Semiconductors Band theory (semiconductors) explained INTRINSIC SEMICONDUCTOR Transistors, How do they work ? Electronic Band Structure {Texas A\u0026M: Intro to Materials (MSEN

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