

(Occupied Conduction
Electronic State)
Negative Charge

"Excited Electron"

Energy

"Electron Hole"
(Unoccupied Valence
Electronic State)
Positive Charge

Available Conduction
Electronic States
Neutral Charge

Electron
Conduction

"Hole"
Conduction

Occupied Valence
Electronic States
Neutral Charge

Conduction
Band

No Electronic
States Available

Band Gap

Valence
Band

