

## (energy band)

(solid) , 가 .  
 가 , 가 가 ( valence band )  
 (insulator)가 , ( conduction band ) .  
 valence band conduction band energy gap 가 1eV  
 band 가 valence band 가 conduction  
 .  
 acceptor( 3 ) donor( 5 )  
 가 가 (acceptor)  
 가 .

## LED(light-emitting diode)

acceptor가 p , donor가 n .  
 가 .  
 p conduction band valence band  
 LED OLED (organic LED) organic  
 LED , 가

- <http://solid.hanyang.ac.kr/05na/05na07.htm>

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Last update: **2020/11/29 14:09**

