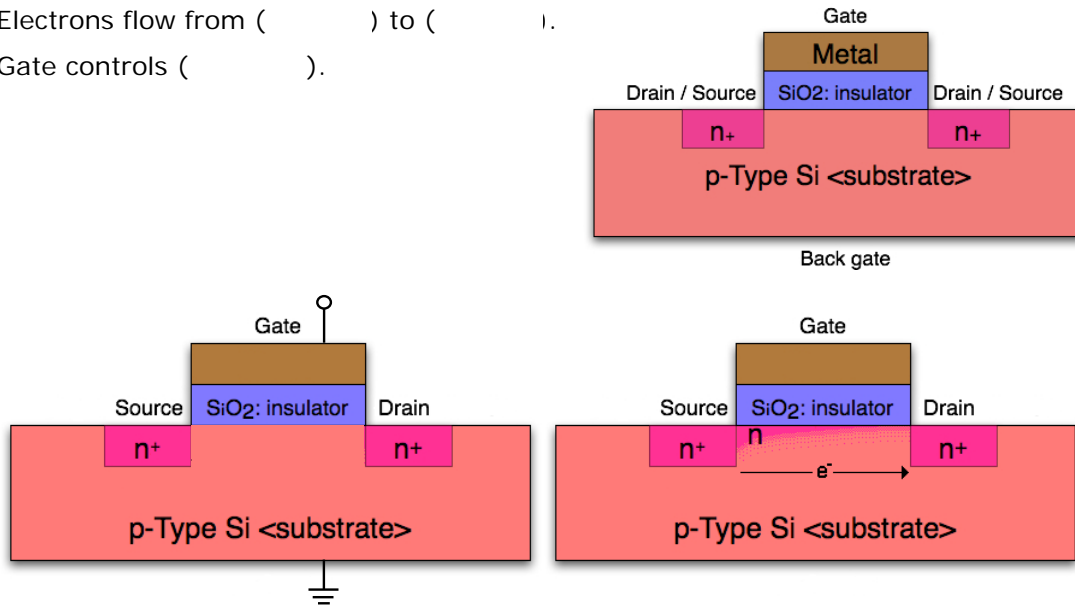




Question - Field Effect Transistor

How does a field effect transistor works ?

- Electrons flow from () to ().
- Gate controls ().



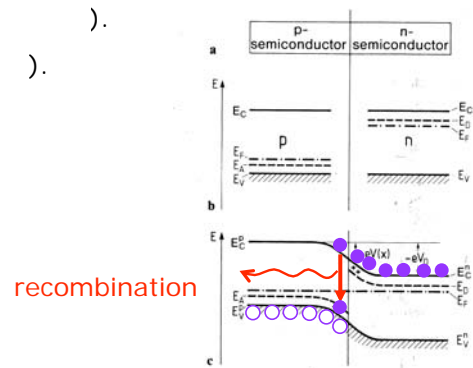
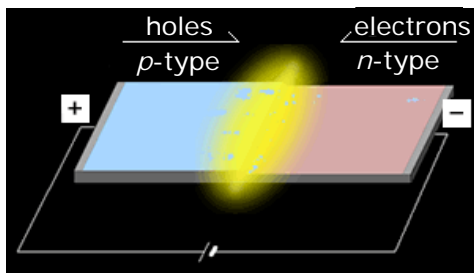
* <http://www.wikipedia.org/>



Question - Light Emitting Diode

How does a light emitting diode works ?

- In a pn junction, () recombine with ().
- Wavelength (light colour) depends on ().



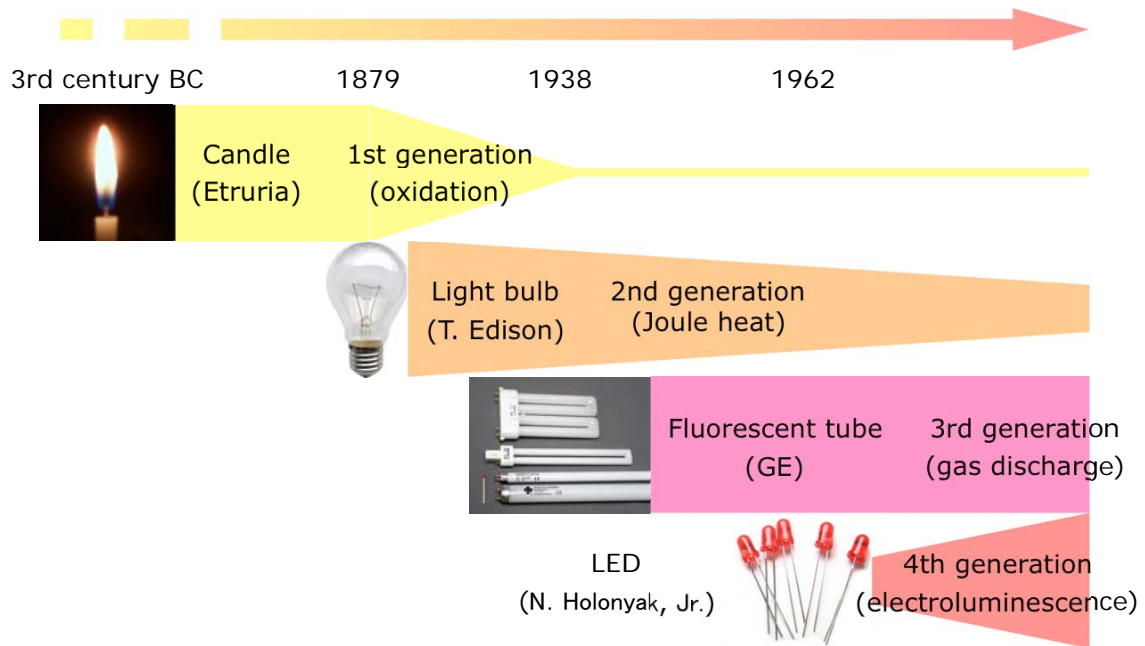
InGaN (450 nm) 2.76 eV	ZnTeSe (512 nm) 2.42 eV	AGaInP (570 nm) 2.18 eV	AlGaAs (660 nm) 1.88 eV	GaAs(Si) (980 nm) 1.27 eV
ZnCdSe (489 nm) 2.54 eV	GaP (555 nm) 2.23 eV	InGaN (590 nm) 2.10 eV	GaP(Zn) (700 nm) 1.77 eV	InGaAsP 1300 nm 0.95 eV

* H. Ibach and H. Lüth, *Solid-State Physics* (Springer, Berlin, 2003);



Question - Light Emitting Diode (Cont'd)

4th generation light in human history :



* <http://exasyat5.tmit.ac.jp/study/kiso/comb.html>;



Question - Domain Structures

Only one side of the magnet sheet sticks to steel :

