

January 15 Possible Quiz Questions

What symbol represents the conduction band effective density of states?

N_C

What symbol represents the valence band effective density of states?

N_V

What symbol is used to represent the equilibrium electron concentration?

n

What symbol is used to represent the equilibrium hole concentration?

p

What symbol is used to represent the intrinsic electron concentration?

n_i

Does the value of n_i^2 depend upon E_F ?

Yes

For silicon (column IV), what column do donor atoms come from?

V

For germanium (column IV), what column do acceptor atoms come from?

III