

Answer on Question #46818 - Chemistry – Other

Question

An electron is in one of 3d orbitals. Give possible values of n , l and m_l for this electron.

Answer:

For 3d-electron:

$n = 3$ as the electron is on the third shell

$l = 2$ as the electron is in d-subshell orbital

$m_l = 2, 1, 0, -1, -2$