

Q8. The number of radial nodes for 3p orbital is .

(a) 3 (b) 4 (c) 2 (d) 1

Sol: (d) Number of radial nodes = $n - 1 - l$

For 3p orbital, $n = 3 - 1 - l = 1$

Number of radial nodes = $3 - 1 - 1 = 1$