

	n	l	l (subshell name)	m_l	Number of values for m_l	# of orbitals	n^2	# of electrons
Equation	$n = 1 \text{ to } n = \text{inf.}$	$l = 0 \text{ to } l = n-1$		$-l \text{ to } l$		$= m_l$	n^2	$= \# \text{ of orbitals } \times 2$
Possible values	1	0	1s	0 (same as -0)	1	1	1	2
	2	0	2s	0	1	1		2
		1	2p	-1,0,1	3	3	4	6
	3	0	3s	0	1	1		2
		1	3p	-1,0,1	3	3		6
		2	3d	-2,-1,0,1,2	5	5	9	10
	4	0	4s	0	1	1		2
		1	4p	-1,0,1	3	3		6
		2	4d	-2,-1,0,1,2	5	5		10
		3	4f	-3,-2,-1,0,1,2,3	7	7	16	14
	5	0	5s	0	1	1		2
		1	5p	-1,0,1	3	3		6
		2	5d	-2,-1,0,1,2	5	5		10
		3	5f	-3,-2,-1,0,1,2,3	7	7		14
		4	5g	-4,-2,-1,0,1,2,3,4	9	9	25	18