

The diagram illustrates the order in which atomic orbitals are filled across the periodic table. Red arrows indicate the sequence: 1s, 2s, 2p, 3s, 3p, 4s, 3d, 4p, 5s, 4d, 5p, 6s, 4f, 5d, 6p, 5f, 6d, and so on. The orbitals are arranged in rows corresponding to principal quantum numbers n=1 through n=6.

K	1s				
L	2s	2p			
M	3s	3p	3d		
N	4s	4p	4d	4f	
O	5s	5p	5d	5f	
P	6s	6p	6d	...	