Atomic Orbitals

$$1s^{2} \rightarrow 2s^{2} \rightarrow 2p^{6} \rightarrow 3s^{2} \rightarrow 3p^{6} \rightarrow 4s^{2} \rightarrow 3d^{10} \rightarrow 4p^{6} \rightarrow 5s^{2} \rightarrow 4d^{10} \rightarrow$$
$$5p^{6} \rightarrow 6s^{2} \rightarrow 4f^{14} \rightarrow 5d^{10} \rightarrow 6p^{6} \rightarrow 7s^{2} \rightarrow 5f^{14} \rightarrow 6d^{10} \rightarrow 7p^{6}$$

'S' orbital – 1 box
'P' orbital – 3 boxes
'D' orbital – 5 boxes
'F' orbital – 7 boxes

