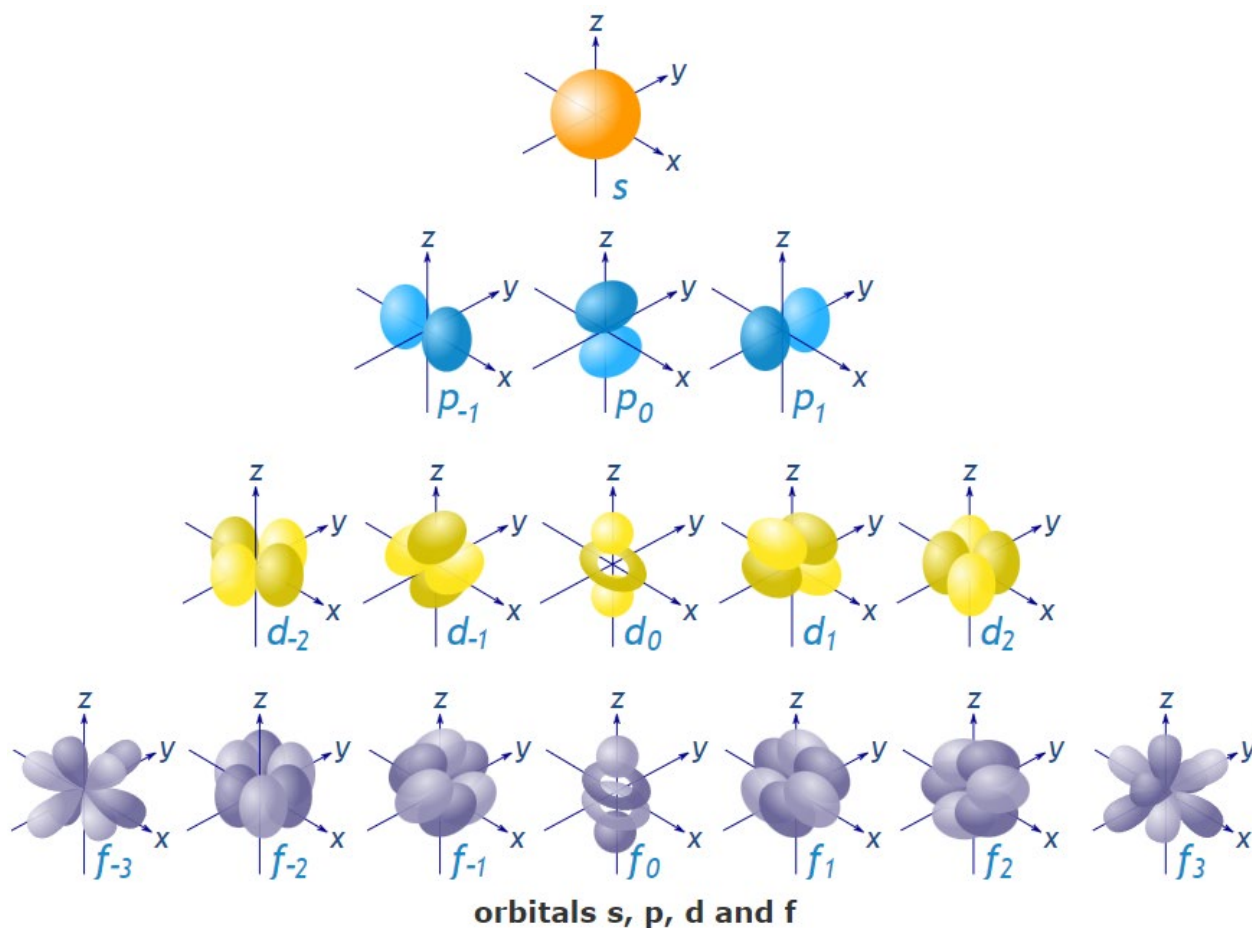


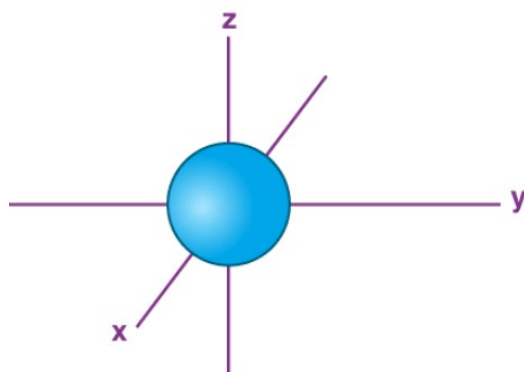
Subshells/orbitals	$\ell$ quantum #	Max # electrons per level
<i>s</i> (sharp)	0	2
<i>p</i> (principal)	1	6
<i>d</i> (diffuse)	2	10
<i>f</i> (fundamental)	3	14

From <https://www.mathsisfun.com/physics/atom-orbitals.html>

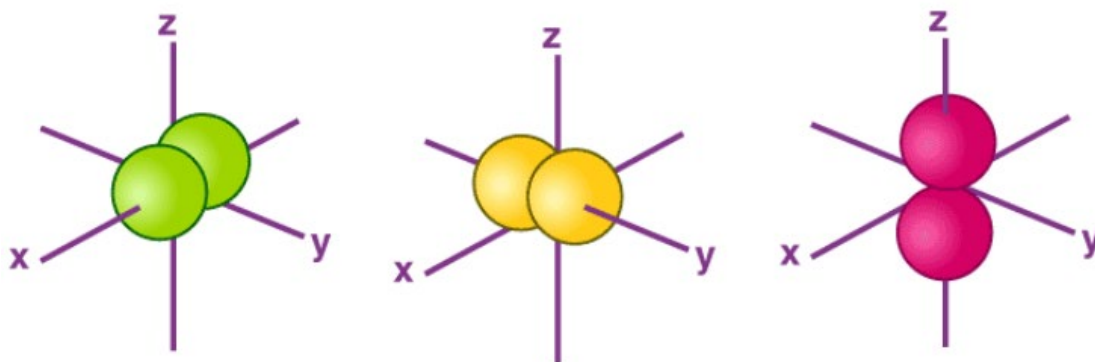


- As a caution, these are plots of where the probability density function  $|\Psi|^2$  **peaks**; the orbitals are actually more diffuse than can be shown by the pictures.

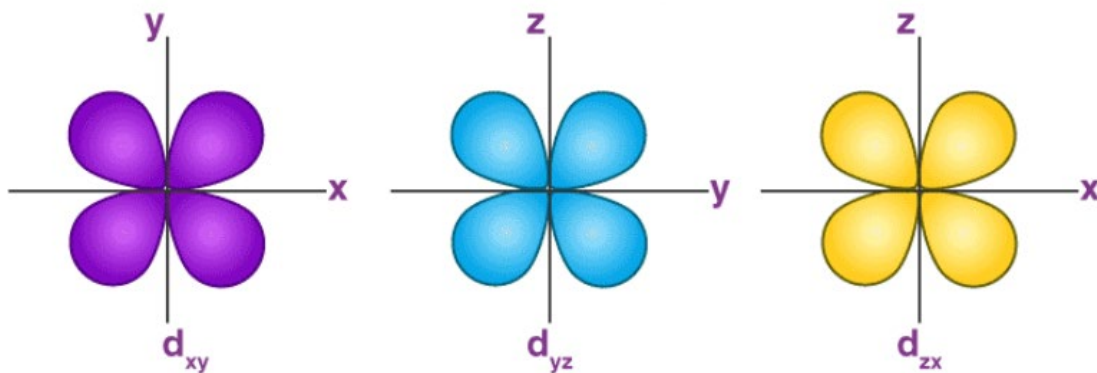
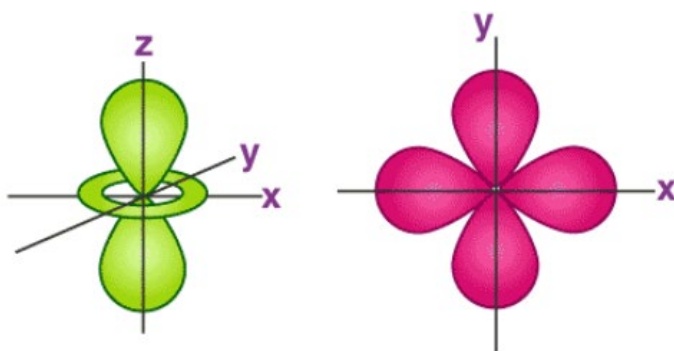
From <https://byjus.com/chemistry/shapes-of-orbitals/>



s orbitals



p orbitals



d orbitals