

## Answer on Question #83930 - Chemistry - Physical Chemistry

Question:

Explain the shapes of 1s and 2py orbitals of an atom with one electron ?

**Solution:**

The 1s orbit is spherically symmetric around the nucleus. And the 2py orbital belongs to p-orbitals, where 3 possible orientations are possible (2px, 2py, 2pz). This is an orbital consist of 2 petals that are symmetrical about a certain axis. 2py orbital lies along the Y axis.

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