• Give the full electron configuration for the ground state K atom.

Marks 2

$$1s^2 2s^2 2p^6 3s^2 3p^6 4s^1$$

What are the three quantum numbers that describe the orbital that contains the electron furthest from the nucleus in the K atom?

n = 4	l = 0	$m_{ m l}={f 0}$
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