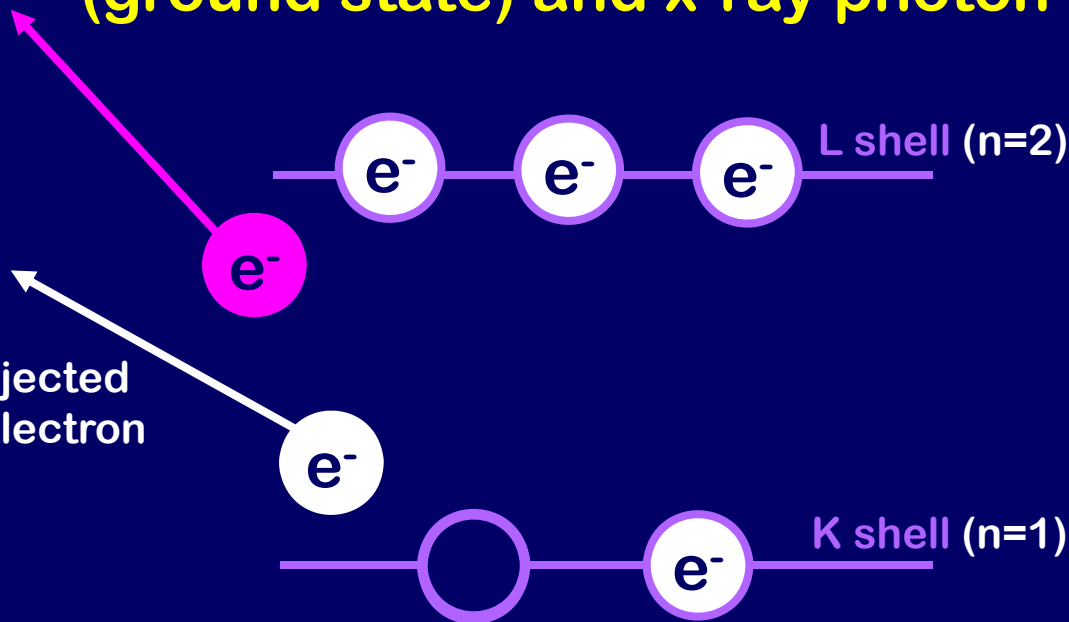


# Characteristic X-Rays

Electron knocks one of the two K shell (ground state) electrons out of an atom.

L ( $n=2$ ) or higher shell electron falls down to K shell (ground state) and x-ray photon is emitted



Characteristic x-ray nomenclature

n=1	“K shell”
n=2	“L shell”
n=3	“M shell”