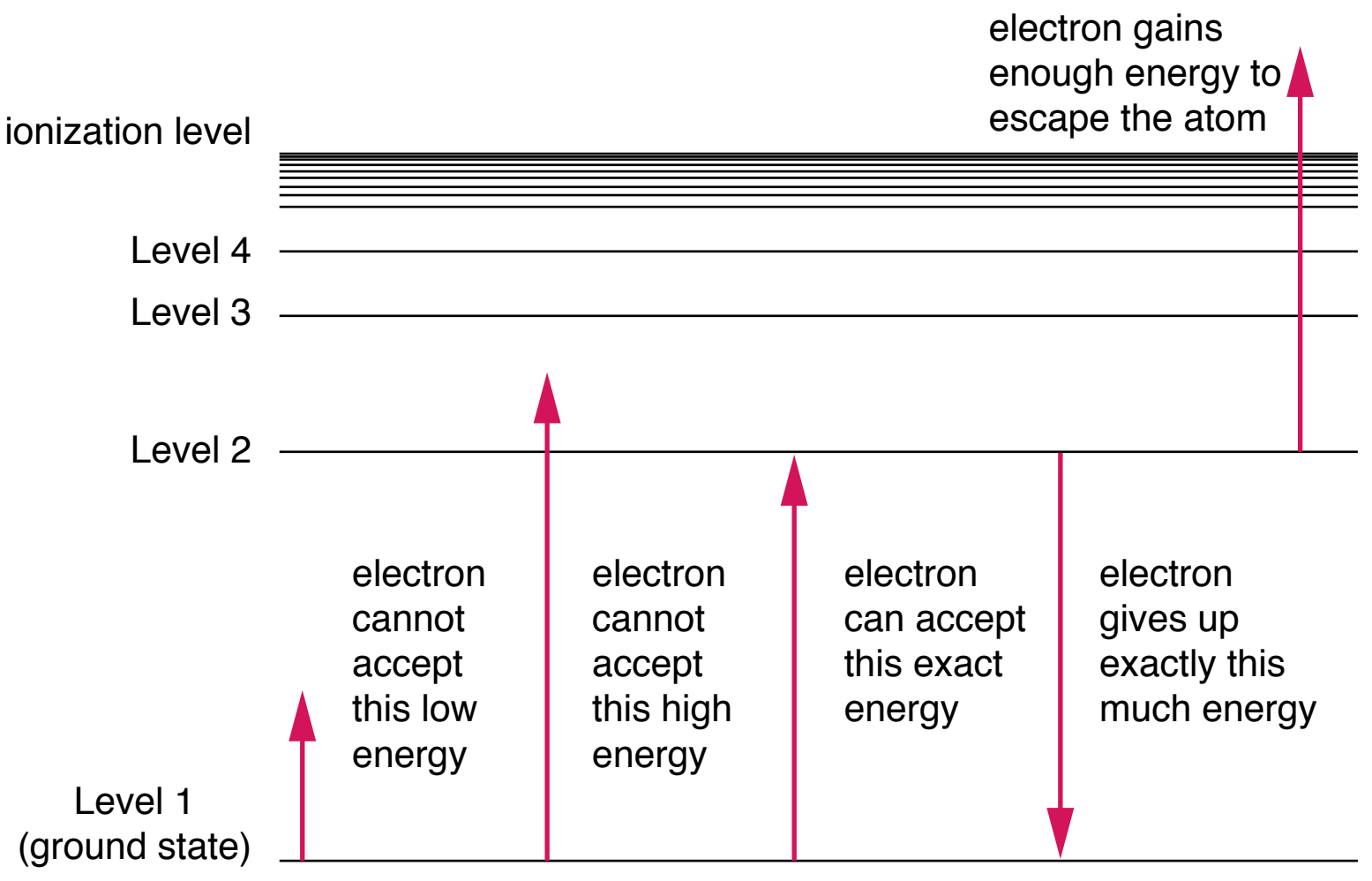
electron gains enough energy to escape the atom
ionization level
Level 4
Level 3
Level 2
Level 1 (ground state)
electron cannot accept this low energy
electron cannot accept this high energy
electron can accept this exact energy
electron gives up exactly this much energy