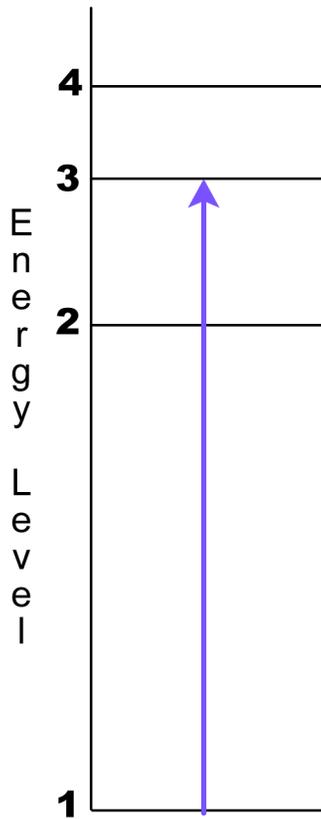
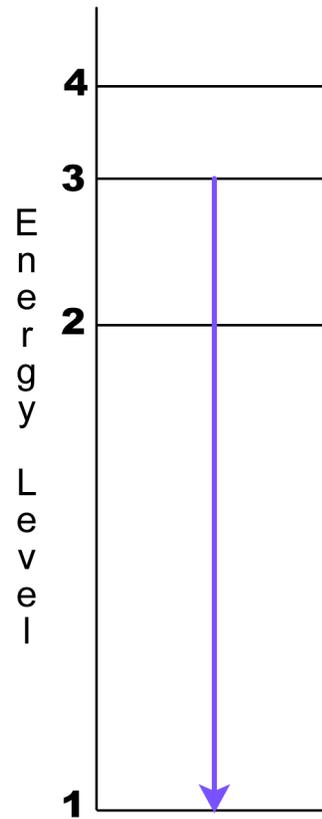


## Absorption and Emission of Energy by an Electron

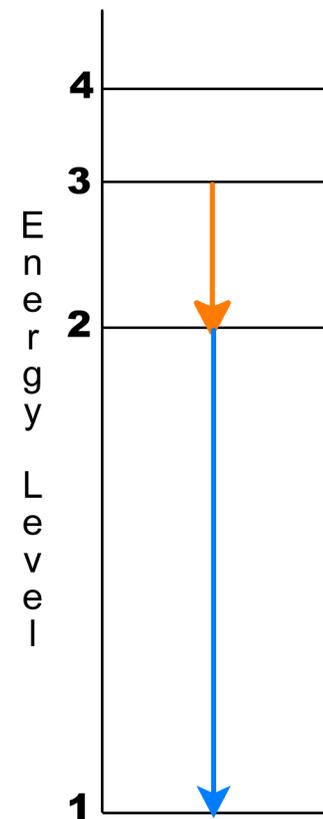
An electron absorbing energy from level 1 to 3



That electron will release the absorbed energy as electromagnetic waves. The amount of energy released must equal the amount of energy absorbed. This can happen two ways for this electron.



one photon released



two photons released