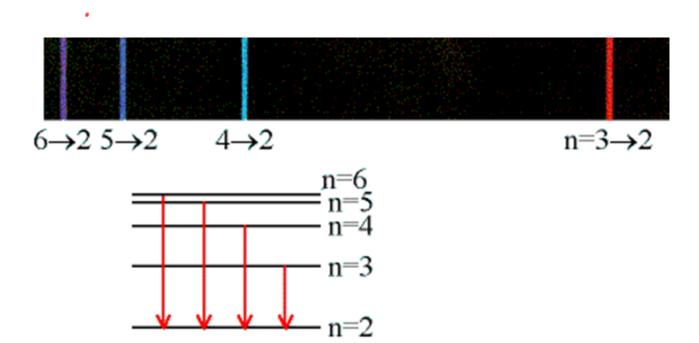
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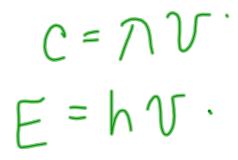


n=1 (Ground State)

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What we know so far

- Draw, label and define the parts of a wave.
- Be familiar with the parts of the electromagnetic spectrum and how they are organized. For example Gamma waves have high energy, high frequency and IR has low energy, low frequency
- Understand the relationship between wavelength and frequency
- Use the speed of light equation to calculate wavelength or frequency.
- Understand the relationship between Energy and frequency
- Use the energy equation (Planck's constant) to calculate E or frequency
- Report the mathematical answers with correct units (Hz or m or J)
- Lab info Understand the concept of electrons moving between the ground state and excited state. Evidence via spectral lines.
- Quantum numbers know what they describe about electrons
- Electron configurations be able to label the s,p,d,f block
- Be able to write configurations for elements through the d block



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