







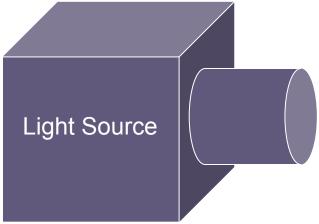






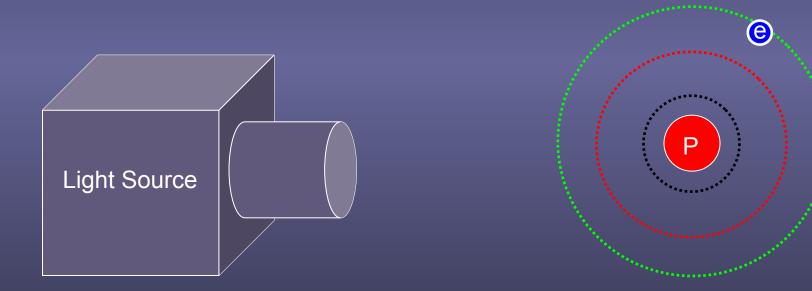
Two photon transition!

No Transition



How do we study atoms?

- Spectroscopy the use of light emission and absorption to study matter
- First, we excite an atom using light
- Energy of a photon proportional to frequency (color); E=hv



Light must have the right frequency to result in a transition

How do we study atoms?