(43) Neutron $V = ?$ $\lambda = 0.955\ \text{Å}$

$m = 1.675 \times 10^{-27}\ \text{Kg}$

$0.955\ \text{A}^\circ$

$\lambda = 0.955 \times 10^{-10}\ \text{M}$

$\frac{\lambda}{1} = \frac{h}{mV}$

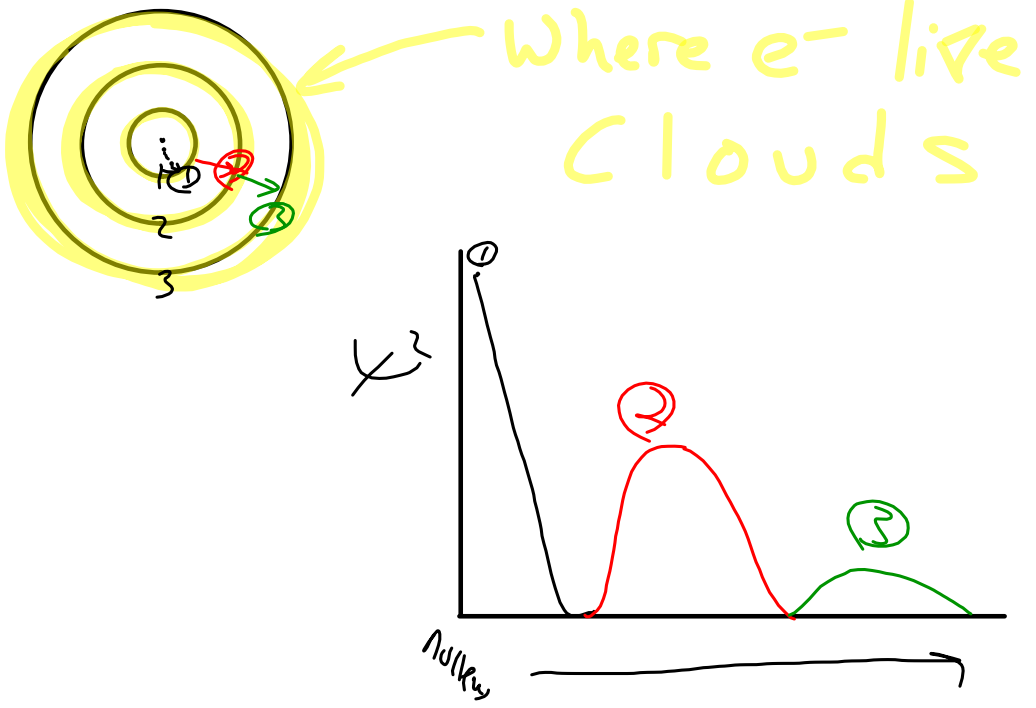
$\frac{V}{1} = \frac{h}{m\lambda} = \frac{6.63 \times 10^{-34}}{(1.675 \times 10^{-27})(0.955 \times 10^{-10})}$

$V = 4144.72\ \text{m/sec}$

$E = hf$

$h = \frac{E}{f} = \frac{J}{\text{sec}^{-1}} = J * \text{sec}$

Nov 1-7:39 AM



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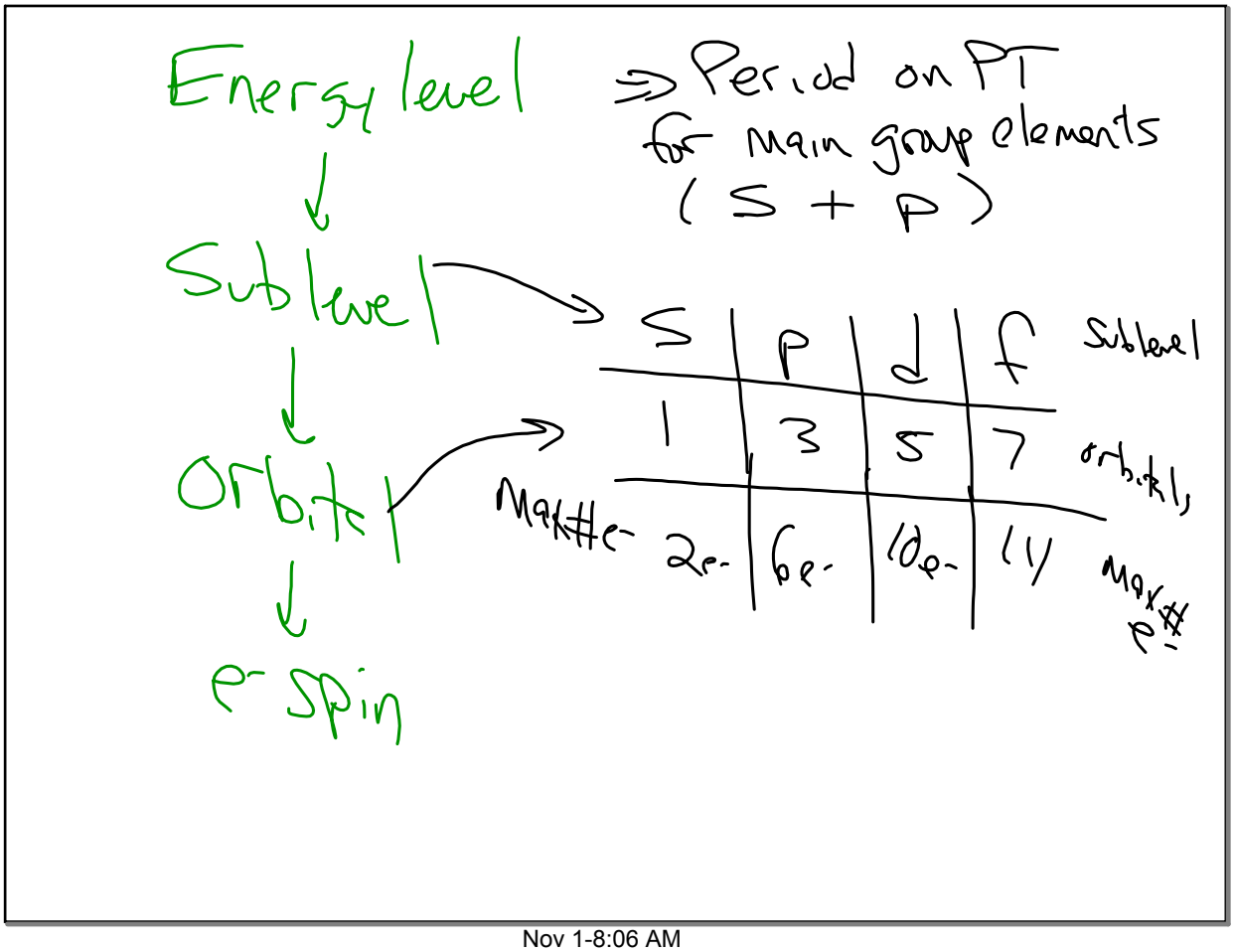

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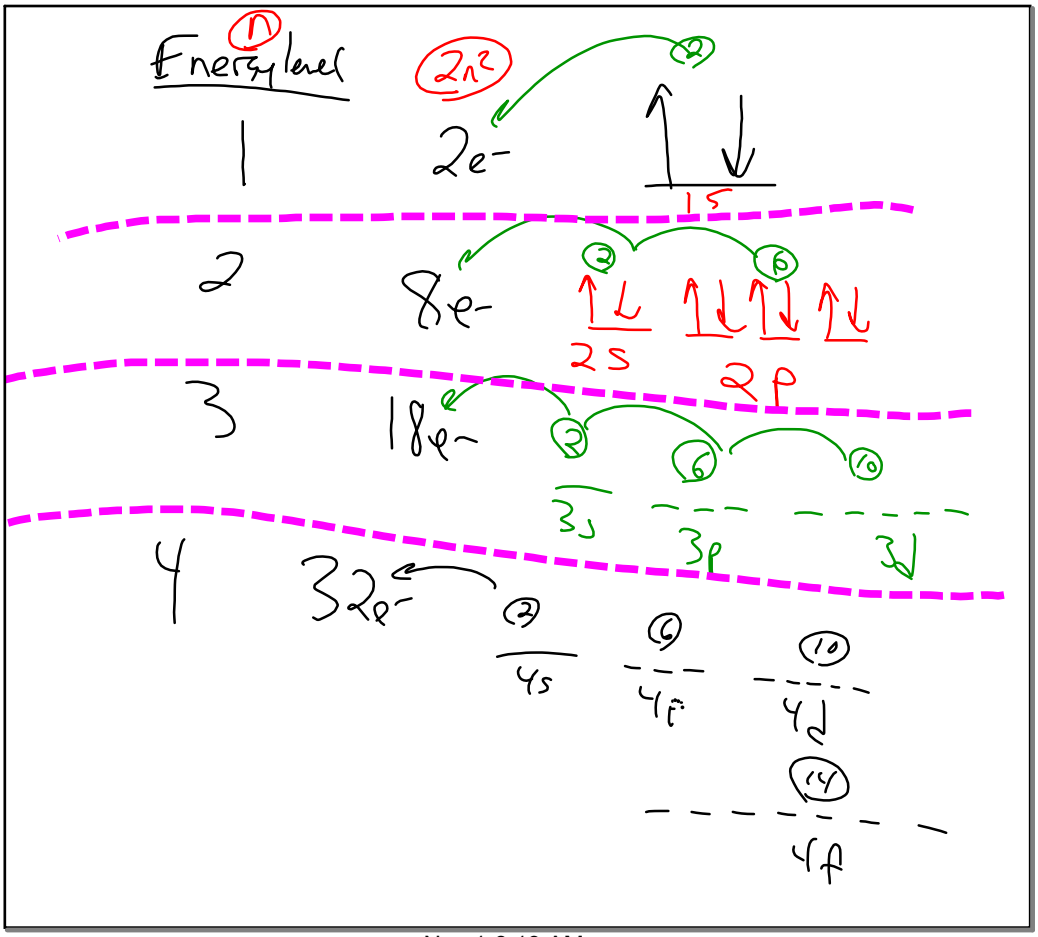

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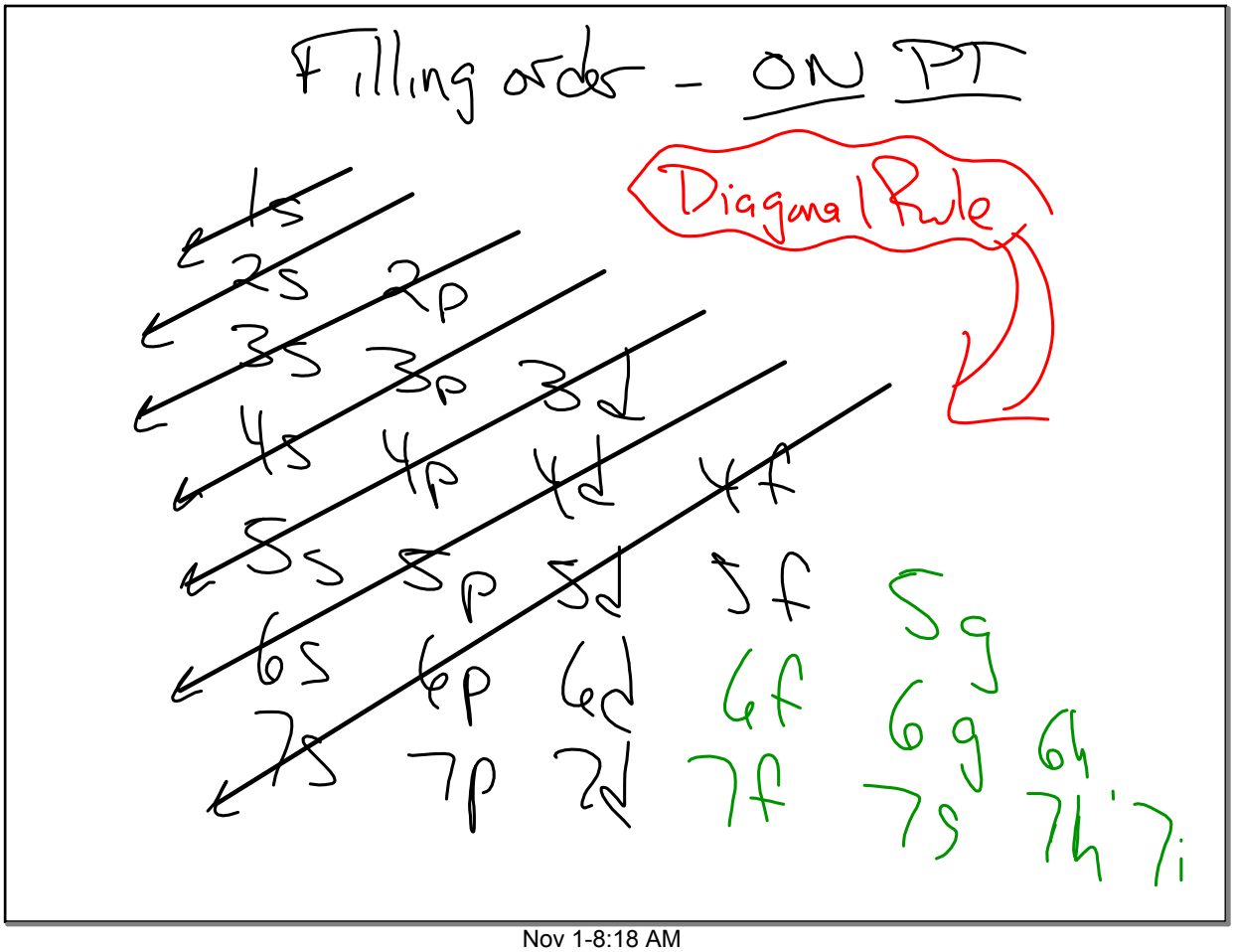

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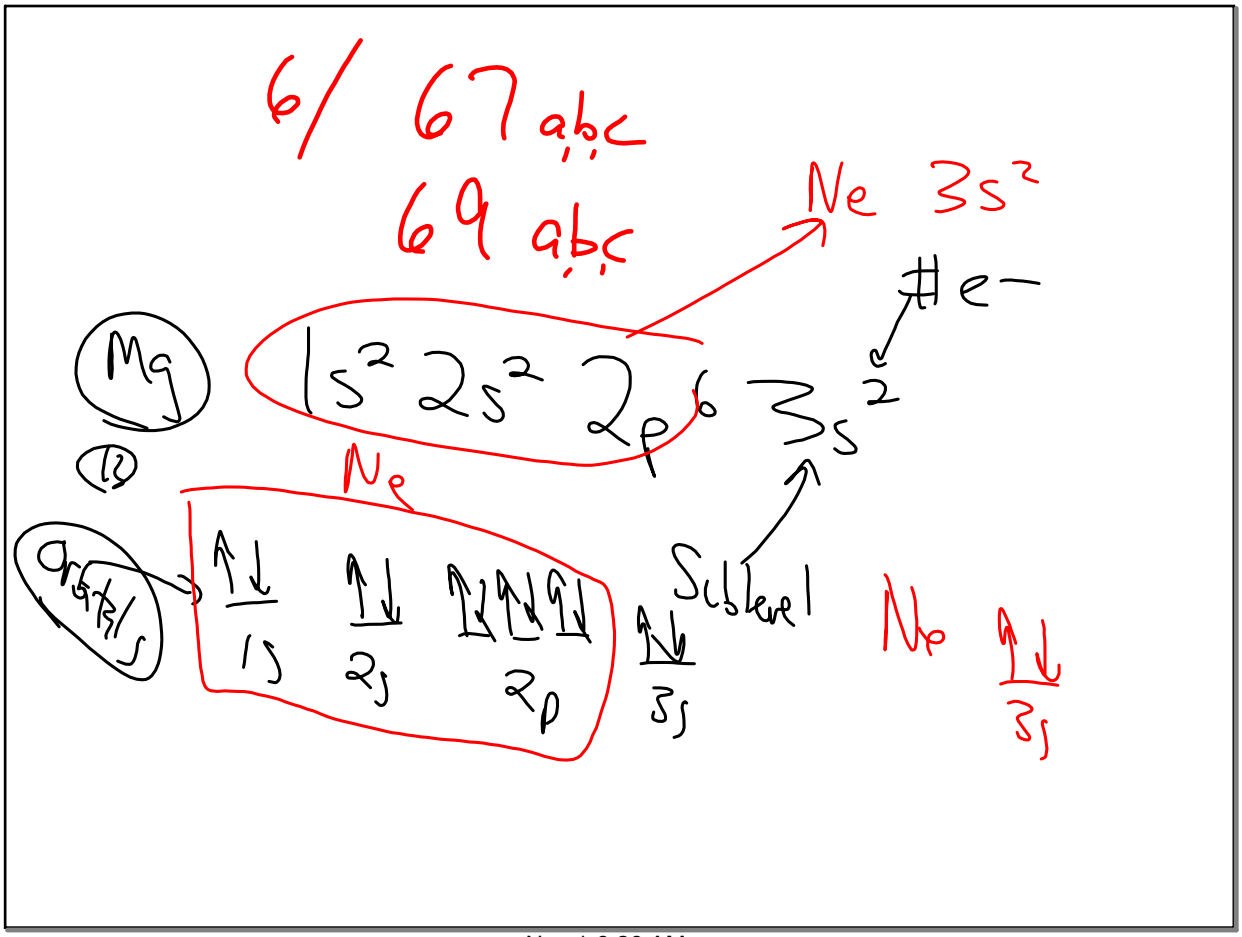

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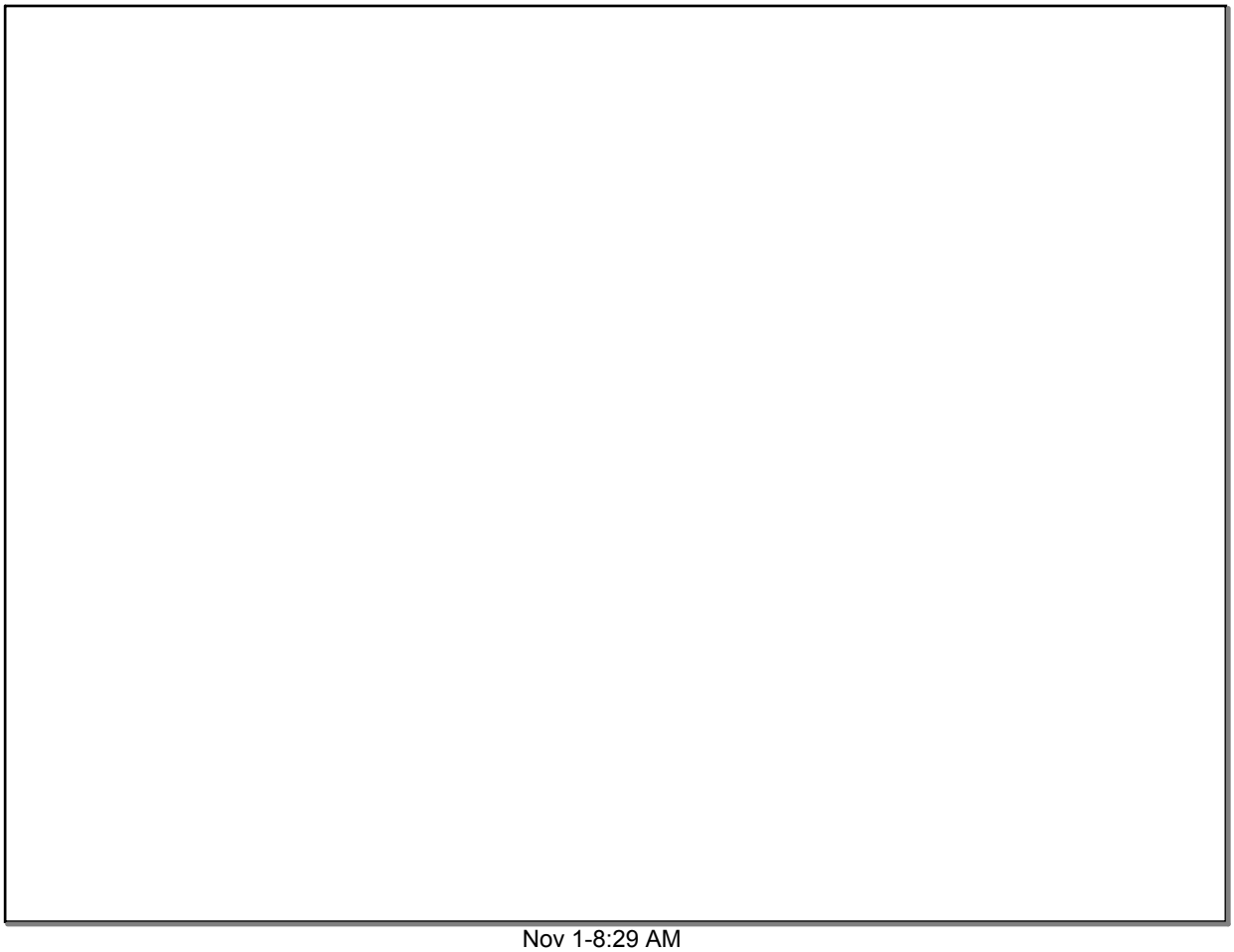

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