

(643) neutron $v = ?$ $\lambda = 0.955 \text{ \AA}$
 $m = 1.675 \times 10^{-27} \text{ Kg}$

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

$\frac{\lambda}{v} = \frac{h}{mv}$

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

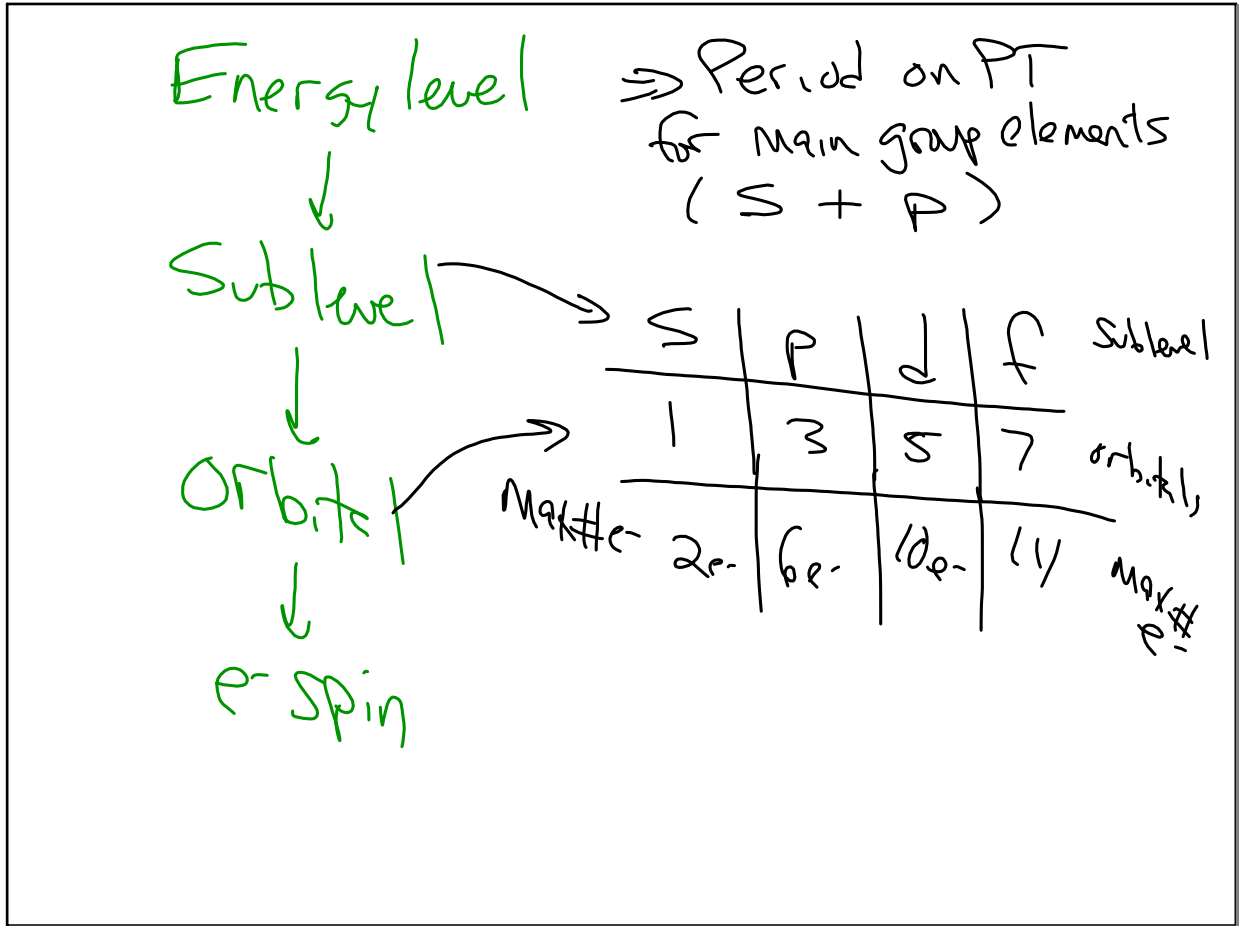
$\frac{v}{\lambda} = \frac{h}{m\lambda} = \frac{6.63 \times 10^{-34}}{(1.675 \times 10^{-27})(0.955 \times 10^{-10})}$

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

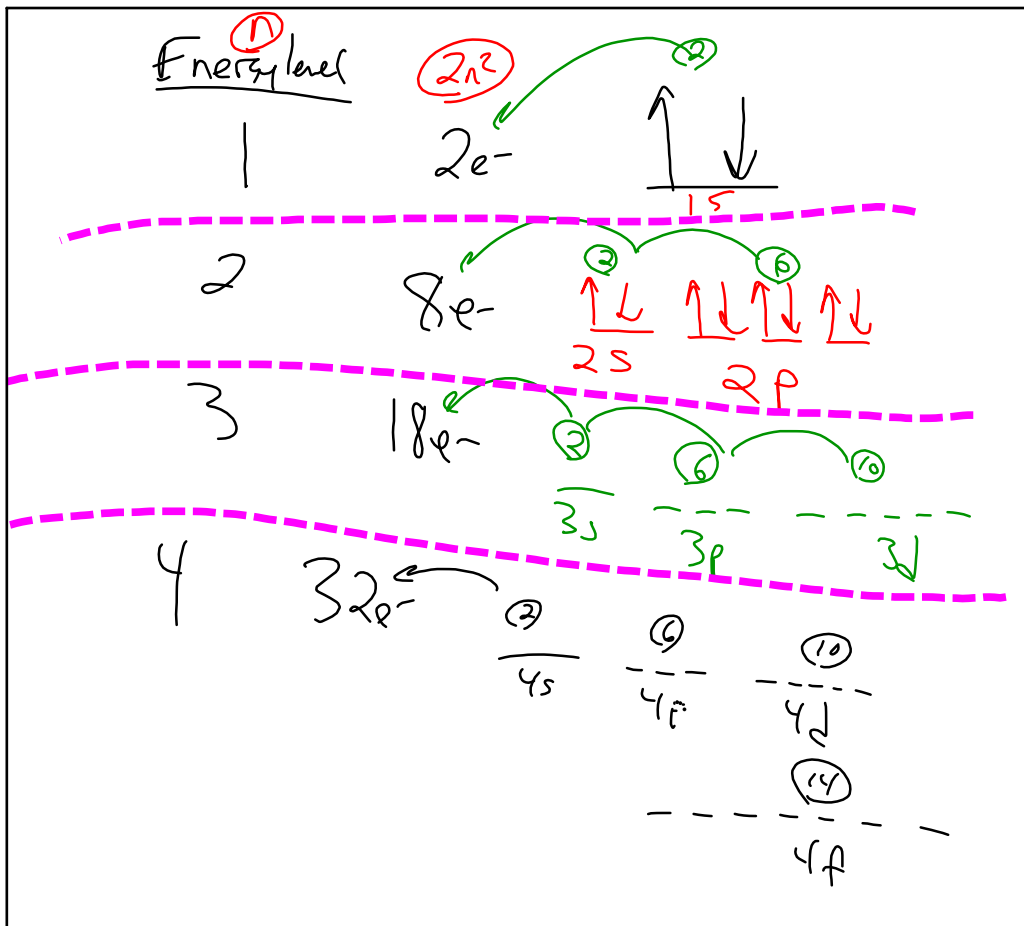
Nov 1-7:39 AM

Where e^- live
 Clouds

Nov 1-8:01 AM



Nov 1-8:06 AM



Nov 1-8:13 AM

Filling order - ON PT

Diagonal Rule

5g
6g
7s
6h
7i

Nov 1-8:18 AM

6/ 67 abc
69 abc

Ne $3s^2$

He-

Ne $1s^2 2s^2 2p^6$

Mg

(12)

Orbitals

Sublevel

No $\uparrow\downarrow$
 $3s$

Nov 1-8:26 AM



Nov 1-8:29 AM