

PS 6-1

③ ④ 6 m , $f = \text{--- MHz}$

$c = f \lambda$

$f = \frac{c}{\lambda} = \frac{3 \times 10^8 \text{ m/sec}}{6 \text{ m}} = 0.5 \times 10^8 \text{ sec}^{-1}$

$5 \times 10^7 \text{ sec}^{-1}$

$5 \times 10^7 \text{ Hz}$

$5 \times 10^1 \text{ MHz}$

50 MHz

$\text{sec}^{-1} = \text{Hz}$

Hertz

Mega- 10^6

$10^6 \frac{1}{\text{Hz}}$

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n

PEL

1 s

2 s + 2p

3 s + 3p + 3d

4

⋮

l

$\frac{s p d f}{0 1 2 3}$

$l \text{ Max } (n-1)$

m

$-l \text{ to } +l$

s

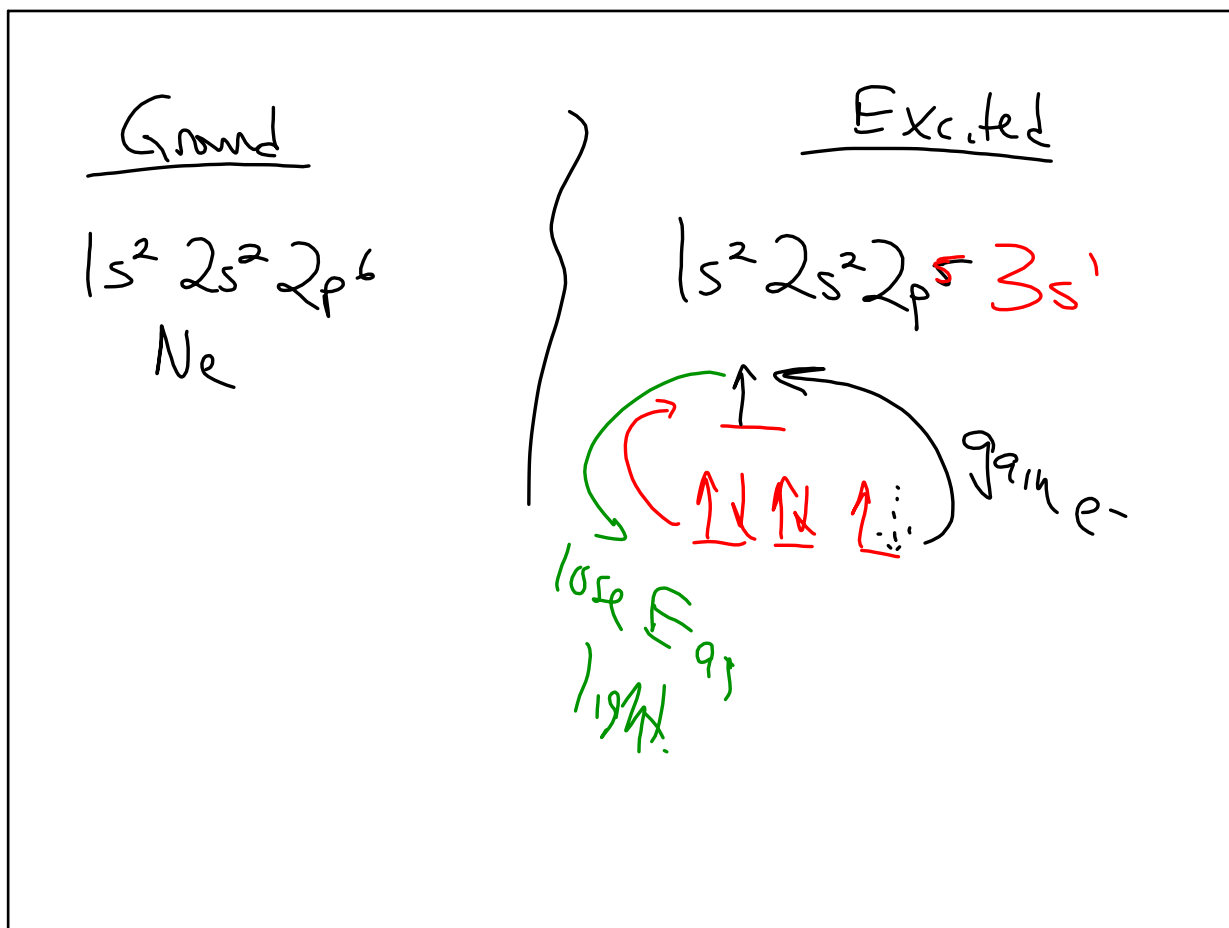
$+\frac{1}{2}$

$-\frac{1}{2}$

-2 -1 0 $+1$ $+2$ d

p_x p_y p_z

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