

Epholon =
$$4.09 \times 10^{-19} J = hc$$

 $\lambda = hc = 6.626 \times 10^{-19} J = hc$

$$\Delta E = E_4 - E_1$$

$$= -R_H \oplus -R_H$$

$$= -R_H = -R_H$$

$$= -R_H = -R_H$$

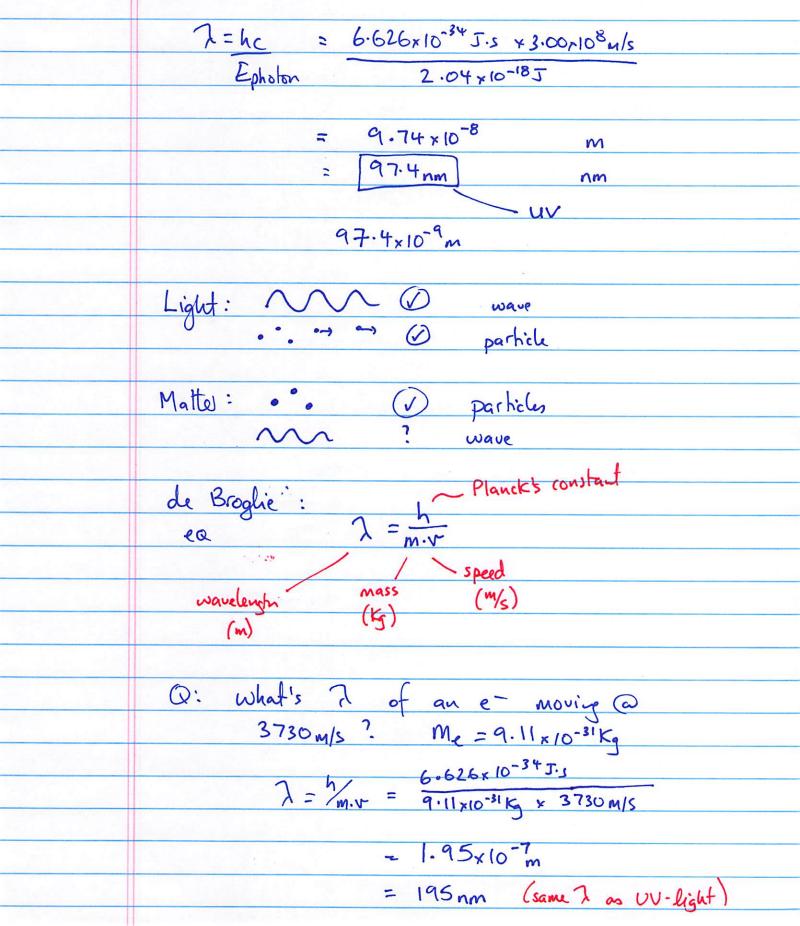
$$= -R_H = -R_H$$

$$= + R_{H} - R_{H}$$

En=-RH

Ephoton =
$$2.04 \times 10^{-18} J = hv = hc$$

$$\lambda = hc/\text{Ephoton}$$



light microscope
resolution ~ 2
vis light only see tribes
700 400 nm
RED BLUE (union)
← Cell →
Jum
UV light: 10nm - 400nm
- 2 problems: - blind
- can't focus w/ glass ophis!
e-microscopes: $\lambda = \frac{h}{m.v}$
- generate varying I by varying v! (easy)
- generate varying to by varying v! (easy) - easy to focus up elec. fields!