
Quantum Theory Part 2 lecture Notes/Examples**Energy Equation**

$$E =$$

where:

$$h =$$

$$f =$$

Sample Problem #1

Use Planck's equation to find the frequency of a 2.55 eV photon.

deBroglie Wavelength Equation

$$\lambda =$$

where:

$$h =$$

$$m =$$

$$v =$$

Sample Problem #2

2. Calculate the deBroglie wavelength of a 150g baseball moving at 35 m/s?

Do you think the wavelength of an electron would be larger or smaller than the baseballs wavelength?

