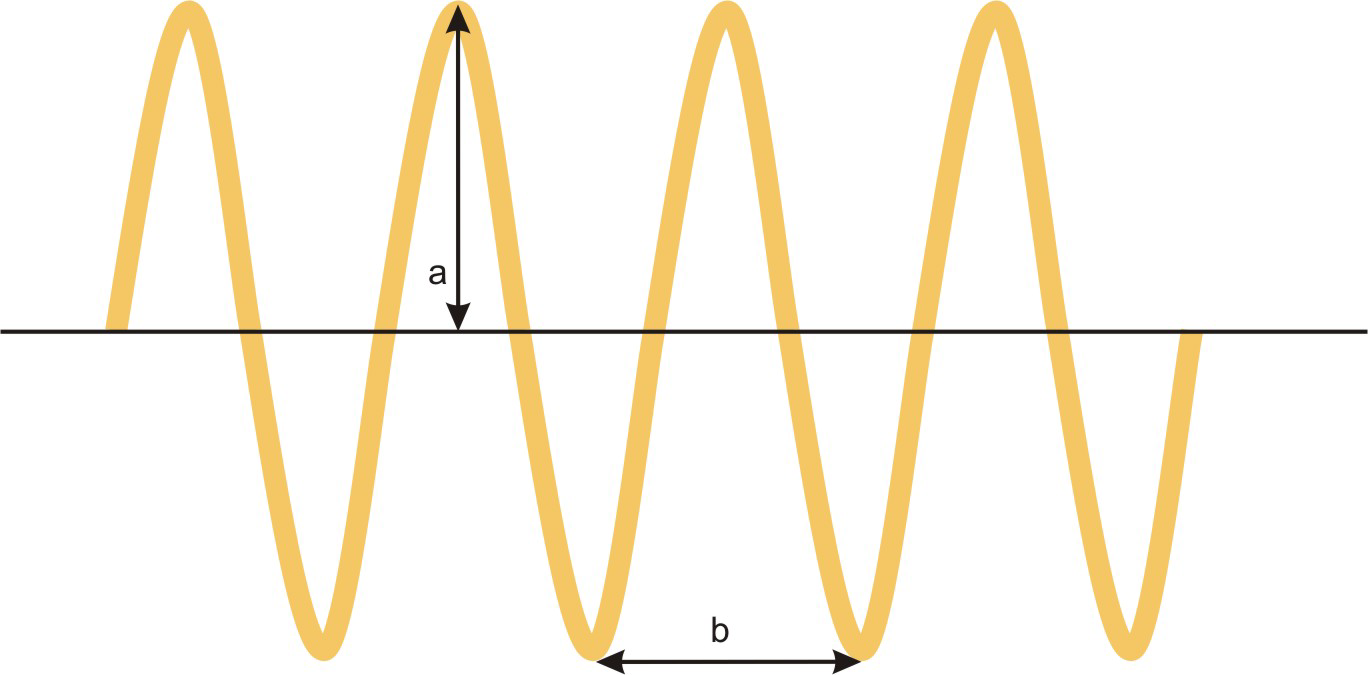
Light and the Electromagnetic Spectrum

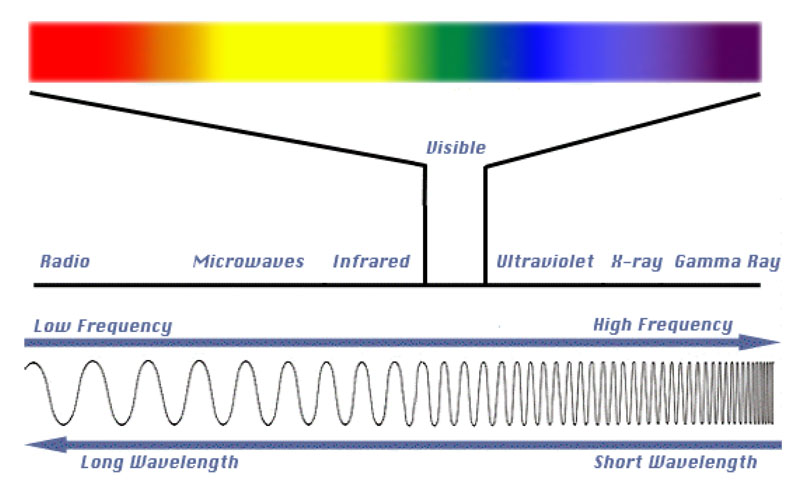


=

 =

c =

What is the wavelength of a 2.4 GHz wireless router?



E =

h =

What is the energy of light emitted from a red laser point? The wavelength of the light is 635 nm.

What is the energy change when an electron moves from n=2 to n=3 in a hydrogen atom?

E = -2.178 x 10-18 J (Z2 / n2) Z =

What is the wavelength when an electron moves from n=2 to n=3 in a hydrogen atom?

DeBroglie wavelength  = mass must be in \_\_\_\_\_\_\_\_

velocity must be in\_\_\_\_\_\_\_\_\_\_\_\_\_

What is the Debroglie wavelength of a 45.93 g golfball travelling at 95 mph?