Using the constants provided with the equations, evaluate the energy from the Bohr

What frequency of light would promote an electron from the n=1 to n=2 orbital? In other words, what frequency of light has an energy equal to the difference between the n=1 and n=2 energies?

$$\Delta E = 1.649 \times 10^{-18} J = h f$$

$$1.649 \times 10^{-18} J = (6.63 \times 10^{-34}) f$$

$$f = 2.49 \times 10^{15} HZ$$

Perform a frequency analysis on the following poem by Ogden Nash.

treating capital a small Adam'
Letters as same, neglect spaces, a postrophes, etc. 0:4 1:1 1:2 m:2 e:2 S:1 3h: 1