

Chapter 21 Quantization Of Energy

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step.

Quantization of Energy | Physics

Oct 19, 2014 The quantization of energy refers to the fact that at subatomic levels, energy is best thought of as occurring in discrete "packets" called photons. Like paper money, photons come in different denominations. You can, for example, purchase items with a one dollar bill or a five dollar bill, but there are no three dollar bills.

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Quantization. It may be helpful at this point to further consider the idea of quantum states. Atoms, molecules, and fundamental electron and proton charges are all examples of phy

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Max Planck postulated that energy was quantized and could be emitted or absorbed only in integral multiples of a small unit of energy, known as a quantum. The energy of a quantum is proportional to the frequency of the radiation; the proportionality constant h is a fundamental constant (Planck's h). What is Quantization of Energy? -

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Energy is quantized in some systems, meaning that the system can have only certain energies and not a continuum of energies, unlike the classical case. This would be like having only certain speeds at which a car can travel because its kinetic energy can have only certain values. We also find that some forms of energy transfer take place with discrete lumps of energy.

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