

Light and Electrons

1. Adjective
2. Noun - Plural
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4. Adjective
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8. Verb - Present Ends In Ing
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Light and Electrons

The evidence used to support Bohr's model came from the _____ Adjective spectra. He suggested that an atomic spectrum is made by the electrons in an atom moving energy _____ Noun - Plural. The electrons _____ Adverb have the _____ Adjective energy possible, called ground state. If the electrons are given energy (through heat, electricity, light, etc) the electrons in an atom could absorb energy by jumping to a higher energy level or _____ Adjective state. The electrons then give off the energy they had absorbed in the form of a piece of light, called a _____ Noun, to fall back to a _____ Adjective energy level.

The energy emitted by electrons _____ Verb - Present ends in ING back to lower energy levels would always be precise amounts of energy because the differences in energy levels were precise. This _____ Verb - Present ends in S why you see _____ Adjective lines of _____ Noun when looking at an atomic spectrum - each line of light matches a specific "step down" that an electron can take in that atom. This also explains why each element produces a _____ Adjective atomic spectrum. Because each element has different acceptable energy levels for their electrons, the _____ Adjective steps each element's electrons can take differ from all other elements.