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to the understanding of many aspects of modern physics.

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The molecules of a particular substance are all identical and are small compared with the distances that separate them.

111 The Greek word 'atomos' (atom)

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means 'indivisible'. 1 Electrons, photons and atoms 1.1 3. The temperature of a gas is proportional to the average kinetic energy of the molecules.

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that studies atoms as an isolated system
of electrons and an atomic nucleus,

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force of attraction. It is smallest particle of an element or a compound that is capable of an free state and that has all the properties of that substance.

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nonsense introduction to the subject that also works fine as an overview and reference.

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