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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) 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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### **Atomic, molecular, and optical physics - Wikipedia**

Molecules are made up of groups of atoms. Describing the structure of an atom, an atom is also subdivided into smaller units. Protons, electrons, and neutrons are sub-particles of an atom. The protons and neutrons are contained inside the nucleus of the atom and electrons revolve around the nucleus.

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