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INTERACTIVE METHODS FOR STUDYING THE STRUCTURE OF THE ATOM

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ABSTRACT

The article discusses methods for solving problems and exercises using tables and diagrams in the study of atomic composition. In the tabular form of the problem, the reader must enter the number of protons, neutrons, electrons, the charge of the nucleus and nucleons of the unknown element. In the diagrammatic method, based on the given data, it is necessary to determine the element or determine the number of elementary particles in the element and their percentage. Such methods require the student to have a basic knowledge of atomic structure. To do this, the student must first thoroughly study the theoretical part of the topic. Therefore, first of all, the student is given an atomic model. Depending on this model, the student shows the location of each particle in the atom, the symbol and the charge of the elementary particles.

KEYWORDS: *Atom, Proton, Neutron, Electron, Nucleon, Atomic Charge, Element Serial Number, Relative Atomic Mass.*

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