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The green, red, yellow and blue spheres represent atoms of carbon, oxygen, sulfur and nitrogen, respectively. The white spheres represent hydrogen, which were determined mathematically rather than by the X-ray analysis. The first structure of an organic compound, hexamethylenetetramine, was solved in 1923.

X-ray crystallography - Wikipedia

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Intended to acquaint the reader with the theory of x-ray diffraction, the experimental methods involved, and the main applications. The book is a collection of principles and methods stressing X-ray diffraction rather than metallurgy. The book is written entirely in terms of the Bragg law and can be read without any knowledge of the reciprocal lattice. It is divided into three main parts— Fundamentals; experimental methods; and applications. Designed for beginners, not as a reference tool for the advanced reader.

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