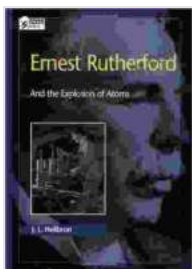


# And The Explosion Of Atoms: Oxford Portraits In Science

The early 20th century was a time of great scientific discovery and innovation. In physics, the discovery of the atom and the development of quantum mechanics revolutionized our understanding of the world. In chemistry, the discovery of the periodic table and the development of new synthetic methods led to the creation of new materials and pharmaceuticals. And in biology, the discovery of DNA and the development of molecular biology led to the understanding of the genetic code and the development of new medical treatments.

One of the most important scientific discoveries of the early 20th century was the discovery of the atom. In 1911, Ernest Rutherford discovered that the atom is made up of a small, dense nucleus surrounded by a cloud of electrons. This discovery revolutionized our understanding of the world and paved the way for the development of nuclear physics.



## Ernest Rutherford: And the Explosion of Atoms (Oxford Portraits in Science) by J. L. Heilbron

★★★★☆ 4.6 out of 5

Language : English

File size : 3007 KB

Text-to-Speech : Enabled

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Another important scientific discovery of the early 20th century was the development of quantum mechanics. In 1925, Werner Heisenberg and Erwin Schrödinger developed a new theory of physics that described the behavior of atoms and subatomic particles. This theory revolutionized our understanding of the world and paved the way for the development of new technologies, such as lasers and transistors.

The early 20th century was also a time of great scientific collaboration. Scientists from all over the world worked together to make new discoveries and develop new technologies. One of the most famous examples of scientific collaboration is the Manhattan Project, which was a top-secret project to develop the atomic bomb. The Manhattan Project was a success, and the atomic bomb was used to end World War II.

The early 20th century was a time of great scientific progress. The discoveries and innovations of this period laid the foundation for the modern world. We owe a great debt to the scientists of the early 20th century for their contributions to our understanding of the world and for the technologies that we use today.

### **Oxford Portraits In Science**

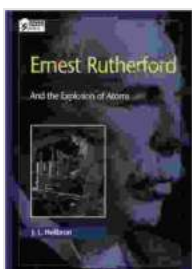
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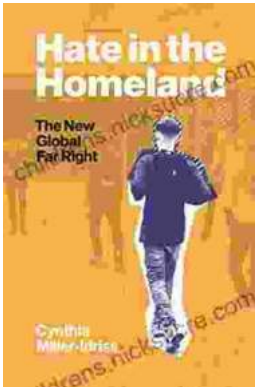
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