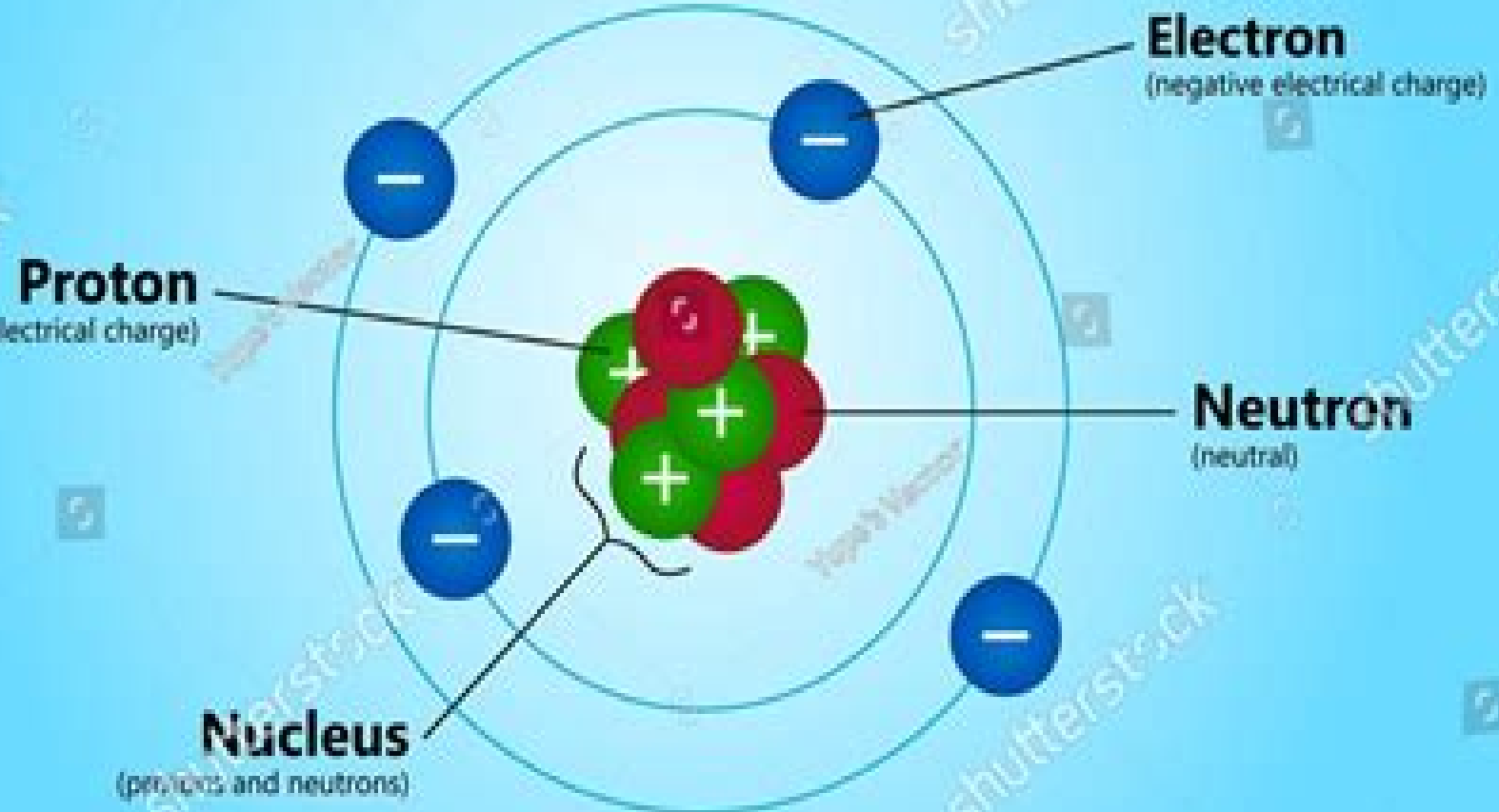


Parts of an Atom



The Atom

Robert R. Johnson



The Atom:

The Universe and the Atom Don Lichtenberg, 2007 1 Early ideas and the universe 2 The solar system and beyond 3 Newton's ideas about space and time 4 Early ideas of motion 5 Newton's Law of Motion 6 Newton's Theory of Gravity 7 Energy and momentum 8 Electricity and magnetism 9 Wave motion 10 Relativity 11 Atoms 12 Early days of Quantum Theory 13 Quantum mechanics 14 The elements 15 Nuclear physics 16 Elementary particles 17 The sun and the solar system 18 The Milky Way 19 The universe 20 Speculations **Understanding the Atom** U.S. Atomic Energy Commission, 1963

Understanding the Atom, Popular Books on Nuclear Science U.S. Atomic Energy Commission, 1964

Understanding the Atom: Direct Conversion of Energy U.S. Atomic Energy Commission, 1968 [The Atom Bomb](#)
Tamra B. Orr, 2004-12-15 Discusses the scientific discovery of the properties of atoms uranium radium and atomic fission and how political and military leaders used this knowledge to create an atom bomb *Understanding the Atom, Whole Body Counters* U.S. Atomic Energy Commission, 1964 **Romancing the Atom** Robert R. Johnson, 2012-08-03 This book presents a compelling account of atomic development over the last century that demonstrates how humans have repeatedly chosen to ignore the associated impacts for the sake of technological scientific military and economic expediency In 1945 Albert Einstein said The release of atomic power has changed everything except our way of thinking the solution to this problem lies in the heart of mankind This statement seems more valid today than ever Romancing the Atom Nuclear Infatuation from the Radium Girls to Fukushima presents compelling moments that clearly depict the folly and shortsightedness of our atomic mindset and shed light upon current issues of nuclear power waste disposal and weapons development The book consists of ten nonfiction historical vignettes including the women radium dial painters of the 1920s the expulsion of the Bikini Island residents to create a massive petri dish for post World War II bomb and radiation testing the government subsidized uranium rush of the 1950s and its effects on Native American communities and the secret radioactive material development facilities in residential neighborhoods In addition the book includes original interviews of prominent historians writers and private citizens involved with these poignant stories More information is available online at www.romancingtheatom.com **The Father of the Atom** Katherine MacFarlane, 2009-07-01 A biography of ancient Greek philosopher Democritus who believed that all matter was made up of indivisible and indestructible particles called atoms moving around in a void Provided by publisher **Containing the Atom** J. Samuel Walker, 1992-01-01 The late 1960s saw an extraordinary growth in the American nuclear industry dozens of plants of unprecedented size were ordered throughout the country Yet at the same time public concern about the natural environment and suspicion of both government and industry increased dramatically Containing the Atom is the first scholarly history of nuclear power regulation during those tumultuous years J Samuel Walker focuses on the activities of the U S Atomic Energy Commission the agency entrusted with the primary responsibility for the safety of nuclear power and shows that from the beginning the AEC faced a paradox it was charged with both promoting and

controlling the nuclear power industry Out of this paradox grew severe tensions which Walker discusses in detail His balanced evaluation of the issues and the positions taken by the AEC and others makes this study an invaluable resource for all those interested in the continuing controversies that surround nuclear energy The late 1960s saw an extraordinary growth in the American nuclear industry dozens of plants of unprecedented size were ordered throughout the country Yet at the same time public concern about the natural environment and suspicion of both government and industry increased dramatically Containing the Atom is the first scholarly history of nuclear power regulation during those tumultuous years J Samuel Walker focuses on the activities of the U S Atomic Energy Commission the agency entrusted with the primary responsibility for the safety of nuclear power and shows that from the beginning the AEC faced a paradox it was charged with both promoting and controlling the nuclear power industry Out of this paradox grew severe tensions which Walker discusses in detail His balanced evaluation of the issues and the positions taken by the AEC and others makes this study an invaluable resource for all those interested in the continuing controversies that surround nuclear energy Explaining the Atom Selig Hecht,Eugene Rabinowitch,1963

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