Record Nr. UNINA9910819701903321 Autore Newton Roger G Titolo Why science? [[electronic resource]]: to know, to understand, and to rely on results / / Roger G. Newton Hackensack, N.J., : World Scientific, 2012 Pubbl/distr/stampa 1-281-60365-1 **ISBN** 9786613784346 981-4397-34-2 Edizione [1st ed.] Descrizione fisica 1 online resource (101 p.) Disciplina 507.1 509 Soggetti Scientists Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Contents: Introduction: 1. We Want to Know: Looking at the Heavens: Exploratory Voyages; 2. We Want to Understand; Charles Darwin; Gregor Mendel; Louis Pasteur; Michael Faraday; Max Planck; Enrico Fermi; 3. Science; Chemistry as the Fundamental Science; How Physics Became Most Fundamental; On Reductionism; References and Further Reading: Illustration Credits: Index Sommario/riassunto This book aims to describe, for readers uneducated in science, the development of humanity's desire to know and understand the world around us through the various stages of its development to the present, when science is almost universally recognized - at least in the Western world - as the most reliable way of knowing. The book describes the history of the large-scale exploration of the surface of the earth by sea, beginning with the Vikings and the Chinese, and of the unknown interiors of the American and African continents by foot

and horseback. After the invention of the telescope, visual