1. Record Nr. UNINA9910778872303321

Autore	Dyson Freeman J.
Titolo	Origins of life / / Freeman Dyson [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 1999
ISBN	1-107-11114-5 1-280-15348-2 9786610153480 0-511-11699-3 0-511-14954-9 0-511-32261-5 0-511-54630-0 0-511-05083-6
Edizione	[Second edition.]
Descrizione fisica	1 online resource (ix, 100 pages) : digital, PDF file(s)
Disciplina	576.8/3
Soggetti	Life - Origin
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references (p. 93-95) and index.
Nota di contenuto	Illustrious Predecessors -- Experiments and Theories -- A Toy Model -- Open Questions.
Sommario/riassunto	How did life on earth originate? Did replication or metabolism come first in the history of life? In this book, Freeman Dyson examines these questions and discusses the two main theories that try to explain how naturally occurring chemicals could organize themselves into living creatures. The majority view is that life began with replicating molecules, the precursors of modern genes. The minority belief is that random populations of molecules evolved metabolic activities before exact replication existed. Dyson analyzes both of these theories with reference to recent important discoveries by geologists and chemists. His main aim is to stimulate experiments that could help to decide which theory is correct. This second edition covers the enormous advances that have been made in biology and geology in the past and the impact they have had on our ideas about how life began. It is a clearly-written, fascinating book that will appeal to anyone interested

in the origins of life.