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Autore	Condie Kent C
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Altri autori (Persone)	CondieKent C
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Formato	Materiale a stampa
Livello bibliografico	Monografia
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Nota di bibliografia	Includes bibliographical references (p. 407-441) and index.
Nota di contenuto	Front Cover; Earth as an Evolving Planetary System; Copyright Page; Contents; Preface; Chapter 1. Earth Systems; Earth as a Planetary System; Structure of the Earth; Plate Tectonics; Is the Earth Unique?; Interacting Earth Systems; Further Reading; Chapter 2. The Crust; Introduction; Crustal Types; Continent Size; Seismic Crustal Structure; Heat Flow; Exhumation and Cratonization; Processes in the Continental Crust; Crustal Composition; Crustal Provinces and Terranes; Crustal Province and Terrane Boundaries; The United Plates of America; Supercontinents; Further Reading Chapter 3. Tectonic SettingsIntroduction; Ocean Ridges; Tectonic Settings Related to Mantle Plumes.; Continental Rifts; Cratons and Passive Margins; Arc Systems; Orogens; Uncertain Tectonic Settings; Mineral and Energy Deposits; Plate Tectonics with Time; Further Reading; Chapter 4. The Mantle; Introduction; Seismic Structure of the Mantle; Mantle Upwellings and Geoid Anomalies; Temperature Distribution in the Mantle; The Lithosphere; The Low-Velocity Zone; The Transition Zone; The Lower Mantle; Plate-Driving Forces; Mantle Plumes; Mantle Geochemical Components; Convection in the Mantle Further ReadingChapter 5. The Core; Introduction; Core Temperature;

The Inner Core; Composition of the Core; Age of the Core; Generation of the Earth's Magnetic Field; Origin of the Core; Where Do We Go From Here?; Further Reading; Chapter 6. The Atmosphere and Oceans; Introduction; General Features of the Atmosphere; The Primitive Atmosphere; The Secondary Atmosphere; The Carbon Cycle; The Precambrian Atmosphere; The Origin of Oxygen; Phanerozoic Atmospheric History; The Oceans; Paleoclimates; Conclusions; Further Reading; Chapter 7. Living Systems; General Features; Origin of Life First Fossils Origin of Photosynthesis; Tree of Life; Stromatolites; Appearance of Eukaryotes; Origin of Metazoans; Neoproterozoic Multicellular Organisms; Evolution of Phanerozoic Life Forms; Biologic Benchmarks; Mass Extinctions; Further Reading; Chapter 8. Crustal and Mantle Evolution; Introduction; Earth's Thermal History; Earth's Primitive Crust; Earth's Oldest Rocks and Minerals; Crustal Origin; How Continents Grew; Continental Growth Rates; Secular Changes in the Crust; Secular Changes in the Mantle; Evolution of the Crust...Mantle System; Further Reading
Chapter 9. The Supercontinent Cycle and Mantle-Plume Events Introduction; Supercontinent Cycle; Supercontinents, Mantle Plumes, and Earth Systems; Mantle-Plume Events Through Time; What Causes a Mantle-Plume Event?; Mantle-Plume Events and Supercontinents; Further Reading; Chapter 10. Comparative Planetary Evolution; Introduction; Impact Chronology in the Inner Solar System; Members of the Solar System; Chemical Composition of the Earth and the Moon; Age and Early Evolution of the Earth; Comparative Evolution of the Atmospheres of the Earth, Venus, and Mars; Continuously Habitable Zone
Condensation and Accretion of the Planets

Sommario/riassunto

Earth as an Evolving Planetary System presents the key topics and questions relating to the evolution of the Earth's crust and mantle over the last four billion years. It examines the role of plate tectonics in the geological past via geological evidence and proposed plate reconstruction. Kent Condie synthesizes data from the fields of oceanography, geophysics, planetology, and geochemistry to examine the key topics and questions relating to the evolution of the Earth's crust and mantle. This volume provides a substantial update to Condie's established text, Plate Tectonics

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| 2. Record Nr. | UNISOBE600200038914 |
| Autore | Francis, Winthrop Nelson |
| Titolo | Dialectology : an introduction / W.N.Francis |
| Pubbl/distr/stampa | London ; New York, : Longman, 1983 |
| Descrizione fisica | IX, 240 p. : ill. ; 22 cm |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| 3. Record Nr. | UNINA9910696514903321 |
| Titolo | Determination of insoluble solids in pretreated biomass material
[[electronic resource]] : laboratory analytical procedure (LAP) : issue
date, 03/21/2008 // A. Sluiter ... [and others] |
| Pubbl/distr/stampa | Golden, Colo. : , : National Renewable Energy Laboratory, , [2008] |
| Descrizione fisica | 6 pages : digital, PDF file |
| Collana | Technical report ; ; NREL/TP-510-42627 |
| Altri autori (Persone) | SluiterA |
| Soggetti | Biomass
Biomass conversion
Biomass - Research |
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| Livello bibliografico | Monografia |
| Note generali | Title from title screen (viewed on May 9, 2008).
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| Sommario/riassunto | Pretreating biomass samples results in slurry, a mixture of liquid and
solid material. For analytical purposes the liquid and solid material
must be separated. The analytical results on each fraction are
mathematically combined at the conclusion of the analyses to obtain |

mass balance. The following procedure covers two methods of separating these fractions. The centrifugation method is useful for severely pretreated samples, while the filtration method can be used for mildly pretreated "chunky" material.
