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Nota di contenuto	Frontmatter -- Contents -- Illustrations -- Preface -- Acknowledgments -- Chapter One. Set in Stone -- Chapter Two. Building Our Planet -- Chapter Three. Close Encounters -- Chapter Four. The First Two Billion Years -- Chapter Five. Wandering Plates -- Chapter Six. Shaky Foundations -- Chapter Seven. Mountains, Life, and the Big Chill -- Chapter Eight. Cold Times -- Chapter Nine. The Great Warming -- Chapter Ten. Reading LIPs -- Chapter Eleven. Restless Giants -- Chapter Twelve. Swimming, Crawling, and Flying toward the Present -- Chapter Thirteen. Why Geology Matters -- Bibliography and Further Reading -- Index
Sommario/riassunto	Volcanic dust, climate change, tsunamis, earthquakes-geoscience explores phenomena that profoundly affect our lives. But more than that, as Doug Macdougall makes clear, the science also provides important clues to the future of the planet. In an entertaining and accessibly written narrative, Macdougall gives an overview of Earth's astonishing history based on information extracted from rocks, ice cores, and other natural archives. He explores such questions as: What is the risk of an asteroid striking Earth? Why does the temperature of

the ocean millions of years ago matter today? How are efforts to predict earthquakes progressing? Macdougall also explains the legacy of greenhouse gases from Earth's past and shows how that legacy shapes our understanding of today's human-caused climate change. We find that geoscience in fact illuminates many of today's most pressing issues-the availability of energy, access to fresh water, sustainable agriculture, maintaining biodiversity-and we discover how, by applying new technologies and ideas, we can use it to prepare for the future.
