



SEDIMENTARY GEOLOGY

An Introduction to Sedimentary Rocks and Stratigraphy

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Donald R. Prothero and Fred Schwab combine their expertise to provide a solid introduction to sedimentary rocks and stratigraphy in one complete, up-to-date volume with numerous illustrations and photographs. This modern approach to sedimentary geology acknowledges recent changes in the field and in the way introductory courses are taught.

Keeping the needs of instructors and students in mind, Prothero and Schwab emphasize general principles instead of exceptions and special cases, with sections that cover sedimentary processes and products, siliciclastic sediments and environments, carbonates and other sediments, volcanogenic sediments, and stratigraphy (including sequence stratigraphy and seismic stratigraphy). Background principles in chemistry, physics, and structures are introduced as needed. Students gain an understanding of sedimentary structures and trace fossils, the strengths and weaknesses of various dating and correlation methods, and of the sandstones, shales, and limestones that make up to 99 percent of the sedimentary rocks they will encounter.

This balanced, current review, with its lucid writing, lively presentation, and outstanding graphics gives students a complete foundation in sedimentary geology while conveying the excitement and importance of a rapidly changing field.



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