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Gary Nichols began his research career as a student of Peter Friend working on fluvial deposits in Spain, and has continued to work in clastic sedimentology in Europe, the Arctic and Antarctic, SE Asia and the Middle East. He teaches sedimentology and stratigraphy at Royal Holloway, University of London. Edward Williams conducted research at University College, Cork on Devonian Old Red ...

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Sedimentary facies, physical, chemical, and biological aspects of a sedimentary bed and the lateral change within

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Facies and Stratigraphy
sequences of beds of the same geologic age. Sedimentary rocks can be formed only where sediments are deposited long enough to become compacted and cemented into hard beds or strata. Sedimentation commonly occurs in areas where the sediment lies undisturbed for many years in sedimentary basins.

Sedimentary facies | geology | Britannica

Harold G. Reading is the author of Sedimentary Environments: Processes, Facies and Stratigraphy, 3rd Edition, published by Wiley.

Sedimentary Environments : Processes, Facies and Stratigraphy

An environment is a particular set of physical, chemical and biological variables; a facies is a body of rock with specified characteristics, and many processes operate in more than one environment.

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Matching environment, process and facies is seldom easy, and frequently decisions have had to be made between dividing the book on a basis of environment, process or of facies.

Sedimentary Environments: Processes, Facies and Stratigraphy

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SEDIMENTARY ENVIRONMENTS: PROCESSES, FACIES AND ...

In geology, depositional environment or sedimentary environment describes the combination of physical, chemical and biological processes associated with the deposition of a particular type of sediment and, therefore, the rock types that will be

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formed after lithification, if the sediment is preserved in the rock record. In most cases the environments associated with particular rock types or associations of rock types can be matched to existing analogues. However, the further back in geological t

Depositional environment - Wikipedia

Our work is focused on understanding the physical, chemical, and biological controls on the characteristics and distribution of sedimentary facies. We are particularly interested in studying modern siliciclastic depositional environments to use them as analogues for understanding Earth ' s surface processes and deposits from the geological past.

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