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WATER IN MARINE SEDIMENTS

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Marine sediments of the world ocean basins consist of a wide variety of particulate materials that vary considerably chemically and physically. The sedimentary deposits are lithogenic or biogenic depending on the predominant particle types and source. Compositionally the particles are biologically produced marine carbonate or siliceous materials or terrigenous components such as detrital sands and clays and/or authigenic minerals. Organic carbon is often an important constituent of marine sediment. The distribution of sediments in the world oceans and their physical, mechanical, and chemical properties are determined by numerous macro and micro-environmental processes.

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