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Air, water in rivers and sea water are fluid. A movement of fluid is called the 'flow' and the study of this field is called 'fluid mechanics'. 'Fluid mechanics' is the merger of hydraulics and hydrodynamics. Hydraulics developed as an empirical science beginning in prehistorical times. The advent of hydrodynamics, which tackles fluid movement theoretically, was in the eighteenth century.

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Fluid mechanics - Wikipedia

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Introduction to Fluid Mechanics in Engineering

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