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An understanding of fluid

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is essential for the  
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Fluid mechanics is the study of fluid behavior (liquids, gases, blood, and plasmas) at rest and in motion. Fluid mechanics has a wide range of applications in mechanical and chemical engineering, in biological systems, and in astrophysics. In this chapter fluid mechanics and

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its application in biological systems are presented and discussed.

## **Fluid Mechanics - an overview | ScienceDirect Topics**

Fluid mechanics helps us understand the behavior of fluid under various forces and at different atmospheric conditions, and to select the proper fluid for various applications. This field is studied in detail within Civil Engineering and also to great extent in Mechanical Engineering and Chemical Engineering.

## **Fluid Mechanics: The Properties & Study of Fluids**

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Fluid mechanics is important in chemical engineering because most of the substances that are handled are in the form of a fluid, whether liquid or gas. For



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instance in a refinery, petroleum and petroleum products are fluids. Fluids have different properties and need to be understood to be able to handle them properly.

## **What is importance of fluid mechanics in chemical ...**

Preface. 1. Introduction to Fluid Mechanics. Fluid Mechanics in Chemical Engineering. General Concepts of a Fluid. Stresses, Pressure, Velocity, and the Basic Laws. Physical Properties--Density, Viscosity, and Surface Tension. Units and Systems of Units. Hydrostatics.

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