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mechanics fluids are a special category of matter which allows the constituent atoms or molecules of it to move in simpler words a fluid is a type of matter which can flow generally these are either a gas or a liquid in this article we will learn more about fluid and their behaviour 17 oct 2022 now applying the formula $\rho = \frac{F}{A \cdot l} = \frac{0.0514 \cdot 10^3 \text{ N}}{\text{sec per sq m}}$ thus fluid viscosity is $0.0514 \cdot 10^3 \text{ N sec per sq m}$ example 2 a submarine experiences a pressure of $5.05 \times 10^6 \text{ Pa}$ at a given depth of d_1 in a sea when it goes further to a depth of d_2 it then experiences a pressure of $8.08 \times 10^6 \text{ Pa}$ get help with your fluid mechanics homework access the answers to hundreds of fluid mechanics questions that are explained in a way that is easy for you to understand test your understanding with practice problems and step by step solutions browse through all study tools your search results for are below question answers 12 120 fluid mechanics the study of how fluids behave and interact under various forces and in various applied situations whether in the liquid or gaseous state or both is introduced and comprehensively covered in this widely adopted text revised and updated by dr david dowling fluid mechanics 5e is suitable for both a first or second course 17 jan 2023 both liquids and gases are considered to be fluids for the purposes of this branch of science often the field of fluid mechanics is divided into two more specific fields of study these are fluid statics and fluid dynamics which concern fluids at rest and fluids in motion respectively fluid mechanics can involve highly complex mathematics and the aid of modern computers access the answers of ncert solutions for class 11 physics

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for us to implement the basic principle of fluid mechanics in the solution of practical problems following are the different properties of fluids density or mass density of the fluid specific weight or weight density of the fluid specific volume compressibility

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