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problems are not to be used as the only source of study material. The topics listed below should be your guide for what you are responsible for knowing. Suggested textbook: Introduction to Fluid Mechanics, 4. th. Ed., Robert W. Fox and Alan T. McDonald, (John Wiley & Sons, pub.) Fluid Mechanics, 3. rd. Ed., Frank M. White, (McGraw Hill, pub ...

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fluid dynamics - problems and solutions. Torricelli's theorem. 1. A container filled with water and there is a hole, as shown in the figure below. If acceleration due to gravity is 10 ms<sup>-2</sup>, what is the speed of water through that hole? Known : Height (h) = 85 cm - 40 cm = 45 cm = 0.45 meters. Acceleration due to gravity (g) = 10 m/s<sup>2</sup>

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**Fluid Mechanics FE Review - Today at Mines**  
Fluid Mechanics is the study of the behavior of Fluid. This playlist serves to help aid anyone going through physics II or fluid mechanics class.

**Fluid Mechanics (Problems and Solutions) - YouTube**  
Fluid statics - problems and solutions. Liquid pressure. 1. What is the d ifference between the hydrostatic pressure of blood betwee n the brain and the sole s of the feet of a person whose height 165 cm (suppose the density of blood = 1.0 × 10<sup>3</sup> kg/m<sup>3</sup>, acceleration due to gravity = 10 m/s<sup>2</sup>)