

Assignment 2.5h: Introduction to Fluid Mechanics

Watch the videos in the links below and answer the following portfolio questions:

1. How does pressure change as you go down in a fluid? (e.g. What happens to the pressure as you dive down in a swimming pool?)
2. What is the hydrostatic pressure equation? What does each variable represent?
3. The Bernoulli Equation is the law of conservation of _____ applied to fluids.
4. What is the Bernoulli Equation and what does each term represent?
5. Write the derivation of the equation for a draining tub. Include the assumptions or reasons that terms are canceled out.

Hydrostatic Pressure <https://www.youtube.com/watch?v=C0ujLqKPWew>

Bernoulli's Equation <https://www.youtube.com/watch?v=IneyT4kRDAU>

Developed through a partnership between the University of Utah College of Engineering and Granite School District