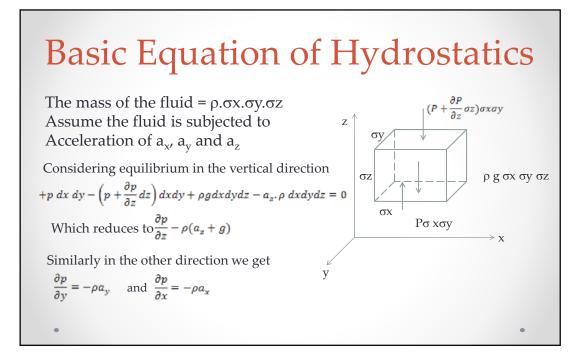
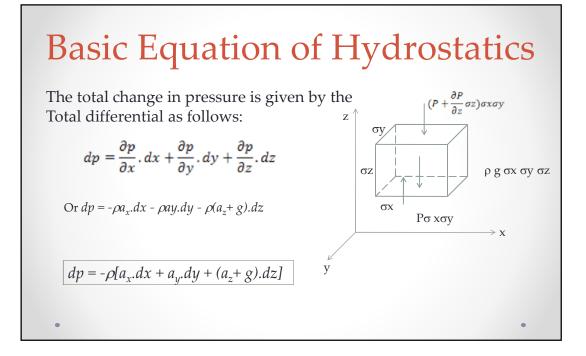
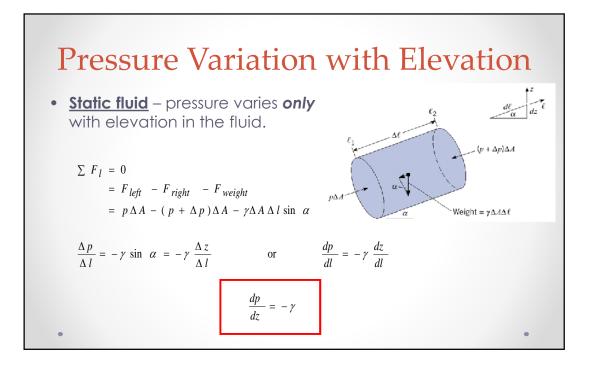
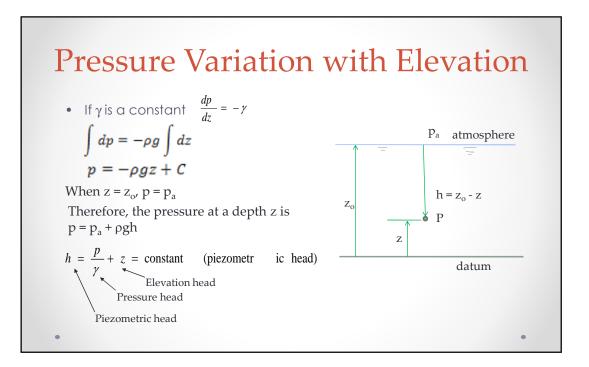


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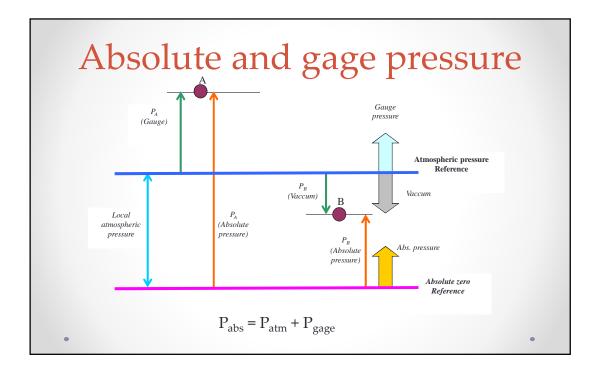


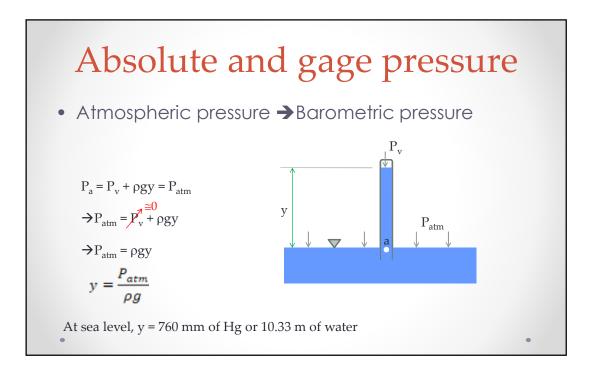


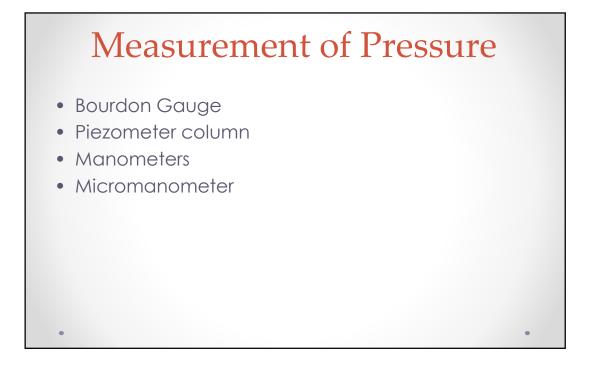


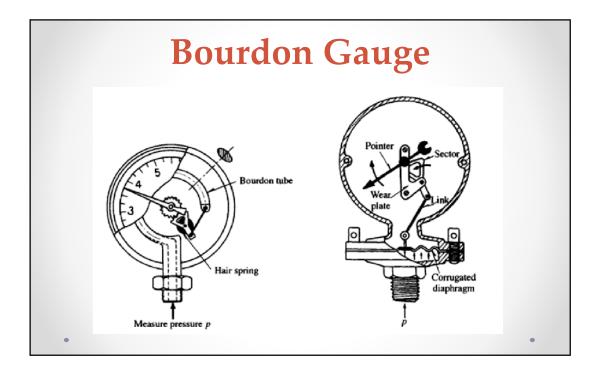


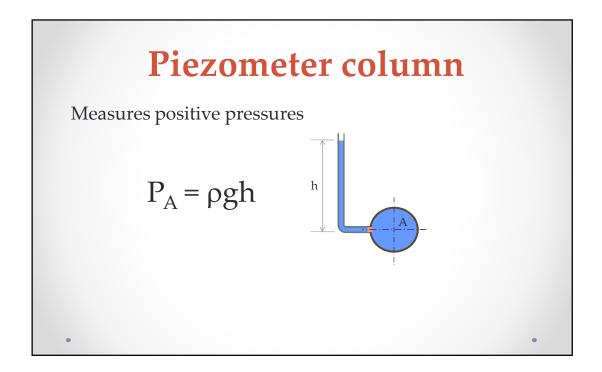
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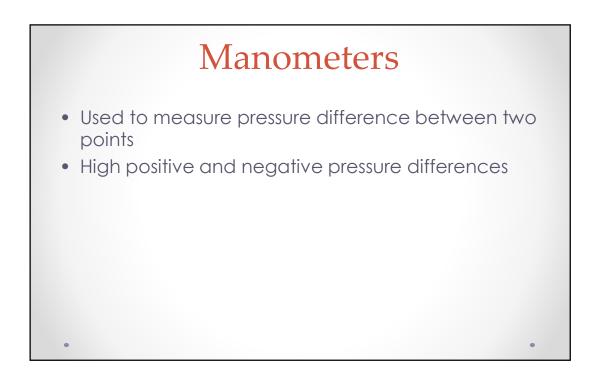


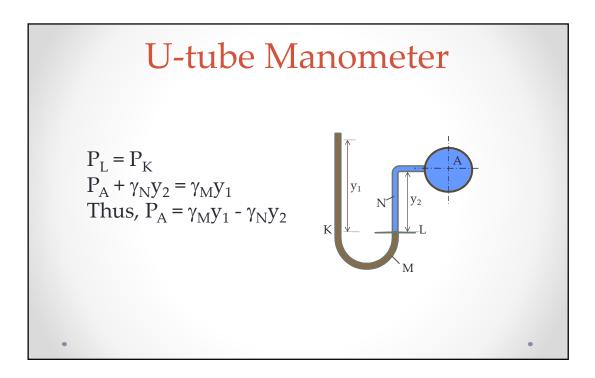


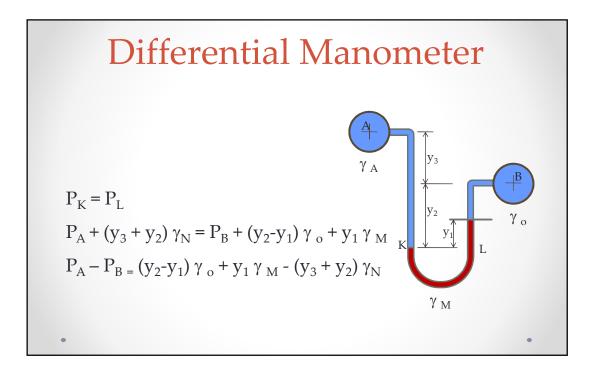


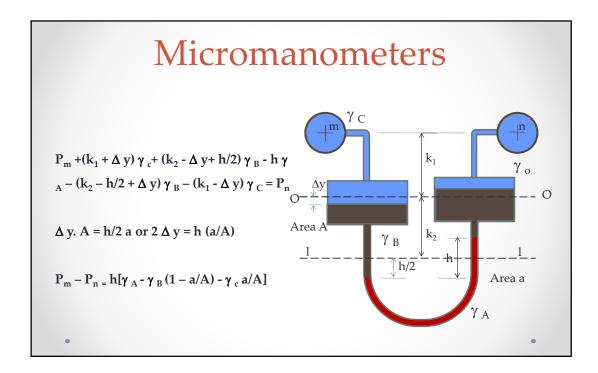


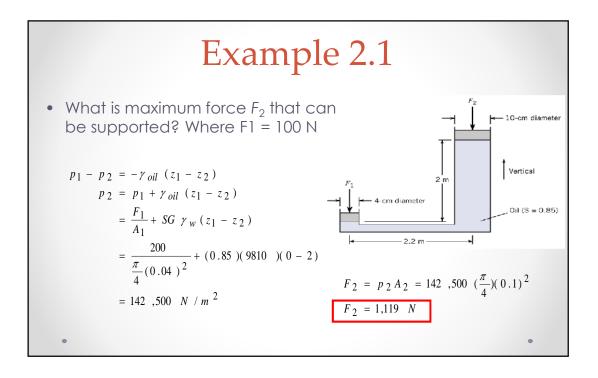


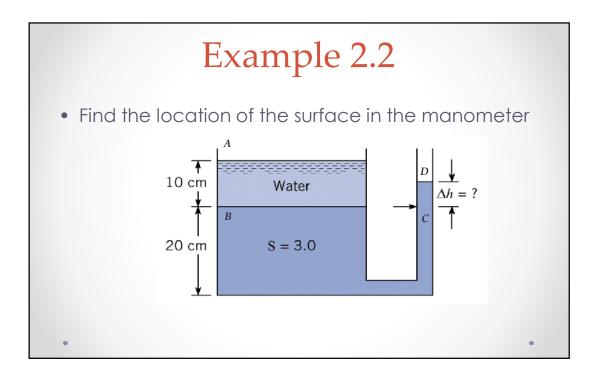


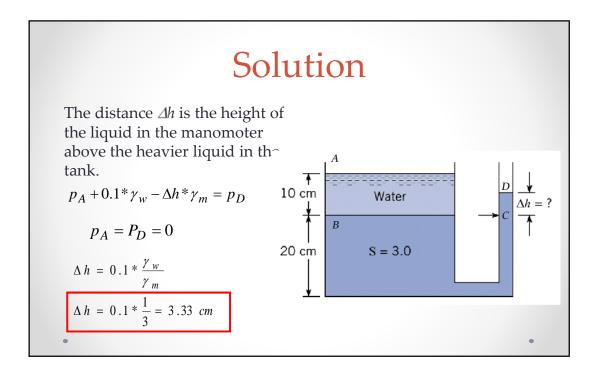












Example 2.3

A U-tube containing mercury (relative density 13.6) has its right-hand limb open to atmosphere and the lefthand limb connected to a pipe conveying water under pressure, the difference in levels of mercury in the two limps being 200 mm. If the mercury level in the left limb is 400 mm below the center line of the pipe, find the absolute pressure in the pipeline in kPa. Also find the new difference in levels of the mercury in the U-tube if the pressure in the pipe falls by 2 kN/m².

