

Physics 151 Worksheet #11: Fluids

Name: _____

Partner(s): _____

Directions : Complete the following questions based on the computer simulations. Please show all of your work and explain all of your reasoning. Place boxes around your final answers.

Simulation #1: Pascal's Principle

Determine the equation of the unknown variables on your worksheet and show all relevant calculations.

Answer =	
Answer =	

Simulation #2: Equation of Continuity

Determine the equation of the unknown variables on your worksheet and show all relevant calculations.

Answer =	
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Simulation #3: Archimedes' Principle

Determine the unknown variables on your worksheet and show all relevant calculations.

Answer =	
Answer =	