

Q1 - Answer = c

Q2 - Problem A - Last name A-K

Water flows smoothly with speed v_1 from a tube with diameter d to a larger one with diameter D where its speed is v_2 . Pressure in the tubes is measured by gauges P_1 and P_2 . Which of the following statements is most nearly correct? (ρ is density of water)

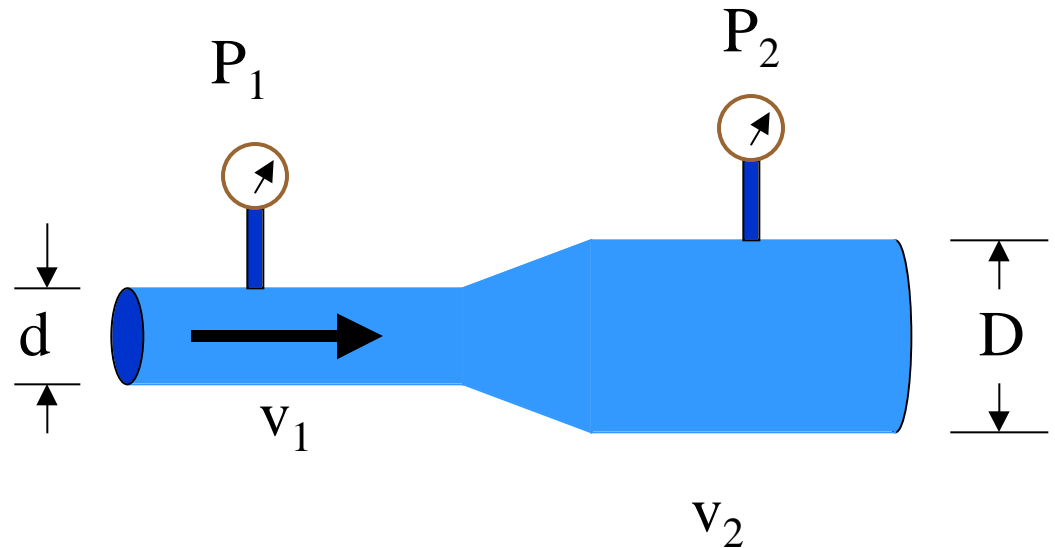
A. $\underline{P_1} < \underline{P_2}$ 2 correct answers

B. $\underline{v_1} > \underline{v_2}$

C. $P_1 v_1 = P_2 v_2$

D. $1/2 v_1^2 = 1/2 v_2^2$

E. none of the above is true



Q1 - Answer = c

Q2 - Problem B - Last Name L-Z

- Water flows smoothly with speed v_1 from a tube with diameter D to a smaller one with diameter d where its speed is v_2 . Pressure in the tubes is measured by gauges P_1 and P_2 . Which of the following statements is most nearly correct? (ρ is density of water)

A. $v_2 < v_1$

B. $P_2 < P_1$

C. $\frac{1}{2} v_1^2 = \frac{1}{2} v_2^2$

D. $P_1/v_1 = P_2/v_2$

E. none of above
is true

