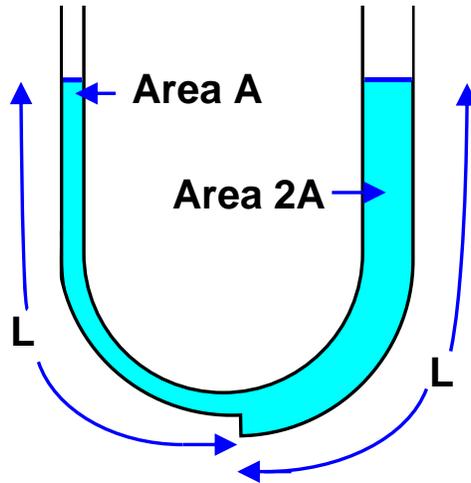


Problem 206A

The U-tube shown in the figure has one side of length, L , and cross-sectional area, A , and the other side with the same length but a cross-sectional area, $2A$:



Find the natural frequency of manometer oscillations in this U-tube, denoting the acceleration due to gravity by g .