

PM-3 Soln)

In the notes, we derived the answer to this question:

$$\gamma = \frac{h}{L} = \frac{D_{\text{Fluid 1}} + D_{\text{Object}}}{D_{\text{Fluid 1}} + D_{\text{Fluid 2}}} = \frac{700 + 850}{700 + 1000} = 0.91 .$$

That's how much is submerged; the fraction above the interface is then 0.09.