26. ***REASONING AND SOLUTION*** The difference in pressure between the ground and the roof is $\Delta P = \rho g h$, so

$$h = \frac{(13.0 \text{ mm Hg})\left(\dfrac{133 \text{ Pa}}{1 \text{ mm Hg}}\right)}{\left(1.29 \text{ kg/m}^3\right)\left(9.80 \text{ m/s}^2\right)} = \boxed{137 \text{ m}}$$

Note that we have used the fact that 133 Pa = 1 mm Hg as a conversion factor.