**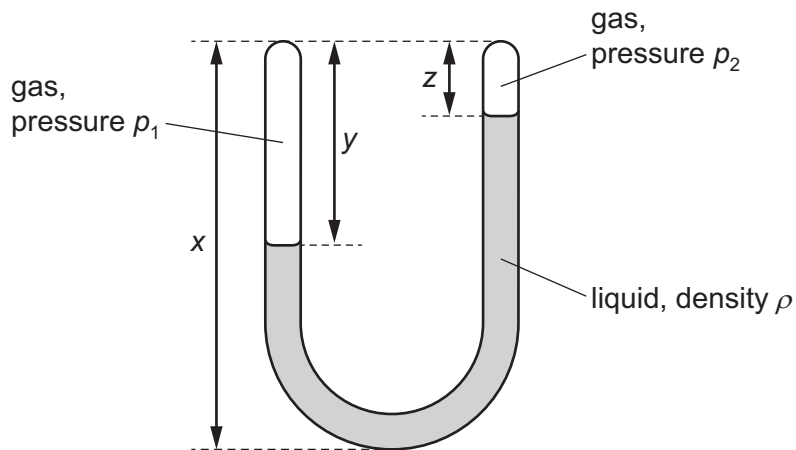15** A closed U-shaped tube contains a stationary liquid of density $\rho$. One side of the tube contains a gas at pressure $p_1$ and the other side contains a gas at pressure $p_2$, as shown.



The acceleration of free fall is $g$.

Which equation is correct?

**A** $p_1 = \rho g y$

**B** $p_2 = \rho g(x - z)$

**C** $p_1 - p_2 = \rho g(y - z)$

**D** $p_1 + p_2 = \rho g x$