15 The derivation of the pressure equation $\Delta p = \rho g \Delta h$ uses a number of relationships between quantities.

Which relationship is **not** used in the derivation of this equation?

A density = $\frac{\text{mass}}{\text{volume}}$

B potential energy = mass × acceleration of free fall × height

C pressure = $\frac{\text{force}}{\text{area}}$

D weight = mass × acceleration of free fall