1   The equation relating pressure and density is $p = \rho g h$.

How can both sides of this equation be written in terms of base units?

A $[Nm^{-1}] = [kg\,m^{-3}]\,[m\,s^{-1}]\,[m]$

B $[Nm^{-2}] = [kg\,m^{-3}]\,[m\,s^{-2}]\,[m]$

C $[kg\,m^{-1}\,s^{-2}] = [kg\,m^{-3}]\,[m\,s^{-2}]\,[m]$

D $[kg\,m^{-1}\,s^{-1}] = [kg\,m^{-1}]\,[m\,s^{-2}]\,[m]$