

- 1 Which expression could be correct for the velocity v of the ocean waves in terms of the density of sea water ρ , the acceleration of free fall g , the depth of the ocean h , and the wavelength λ ?

A $\sqrt{g\lambda}$

B $\sqrt{\frac{g}{h}}$

C $\sqrt{\rho gh}$

D $\sqrt{\frac{g}{\rho}}$