## Wave Speed

The speed of wave in water depends only on the gravitational constant g , with dimensions of $\mathrm{L} / \mathrm{T} 2$ and on the wavelength 1 , with dimension L . Which of these formulas could be the right one for wave speed?
a. $v=\sqrt{g / \lambda}$
b. $v=\lambda g^{2}$
c. $v=\sqrt{d g}$

