

- 25 A sound wave of frequency 150 Hz travels in water at a speed of 1500 m s^{-1} . It then travels through the surface of the water and into air, where its speed is 300 m s^{-1} .

Which line in the table gives the correct values for the wavelengths of the sound in water and in air?

	wavelength in water/m	wavelength in air/m
A	0.10	0.10
B	0.10	0.50
C	10	2.0
D	10	50