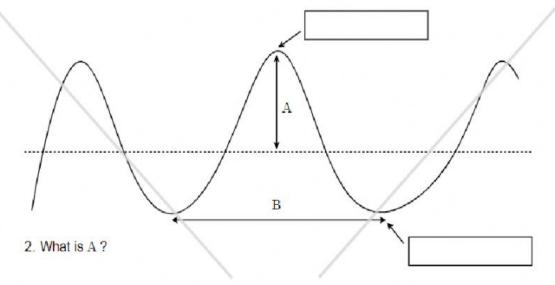
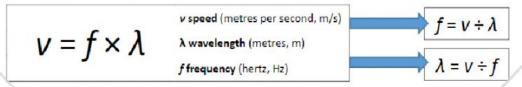
1. Write the correct terms in the boxes.



3. What is B?

Using the wave formula: wave speed, frequency and wavelength



Worked example

- Q: A sound wave of frequency 220 Hz travels at a speed of 340 m/s in air. What is its wavelength?
- A: Wavelength, $\lambda = v + f = 340 \div 220 = 1.55 \text{ m}$ (If the wave speed is in metres per second and the frequency is in hertz, the wavelength will be in metres)

Questions

- 1. Calculate the wave speed (in m/s) for the following waves:
 - a) A sound wave in steel with a frequency of 500 Hz and a wavelength of 3.0 metres.
 - b) a ripple on a pond with a frequency of 2 Hz and a wavelength of 0.4 metres.