

Doing the Wave

1. Most instruments are tuned to the frequency of 440 Hz
 - a. What is the period of a wave at this frequency?

 - b. If the speed of the wave is 340 m/s, what is the wavelength?

2. Bumblebees' wings produce a buzz when they flap them. This buzz has a wavelength of 2.65 m.
 - a. If the speed of the wave is 340 m/s, what is the frequency?

 - b. What is the period of this wave?

3. Whales' songs have a period of about 0.0333 seconds.
 - a. What is the frequency of their songs?

 - b. If the wavelength of their songs is 50 m, what is the wave speed?