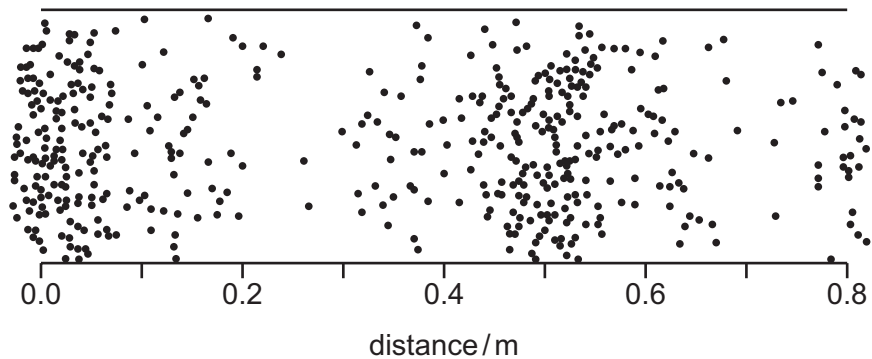


22 When a guitar string is plucked, it causes a longitudinal sound wave in the air, as shown.



The speed of sound in the air is 340 m s^{-1} .

What is the approximate frequency of the sound wave shown?

A 430 Hz

B 680 Hz

C 1100 Hz

D 1400 Hz