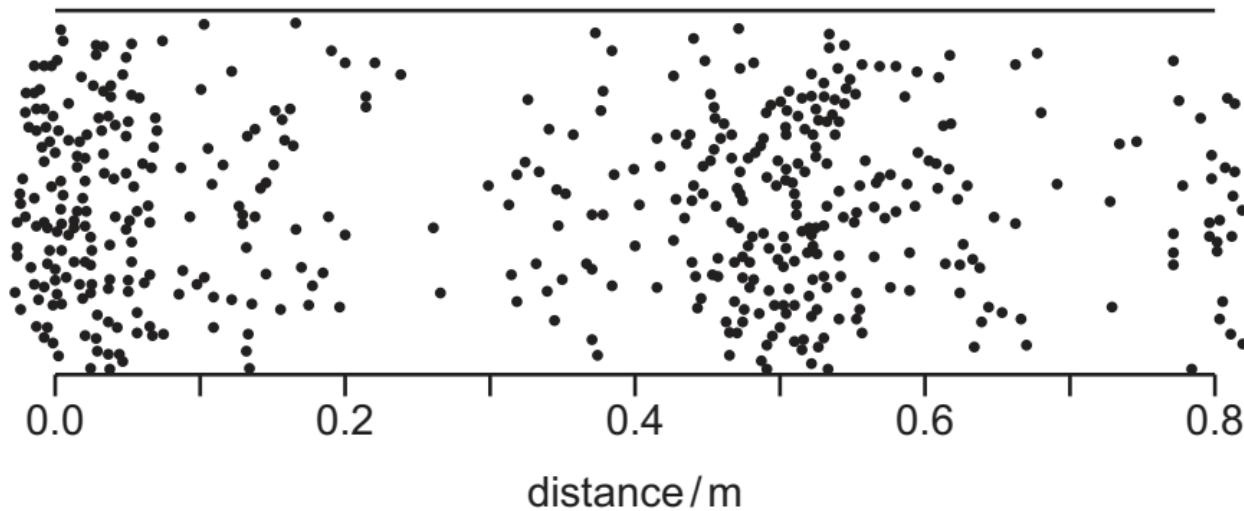


23 When a guitar string is plucked, it causes a longitudinal sound wave in the air, as shown.



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

What is the approximate frequency of the sound wave shown?

A 430 Hz

B 680 Hz

C 1100 Hz

D 1400 Hz

24 The sound from a loudspeaker placed above a tube causes resonance of the air in the tube.