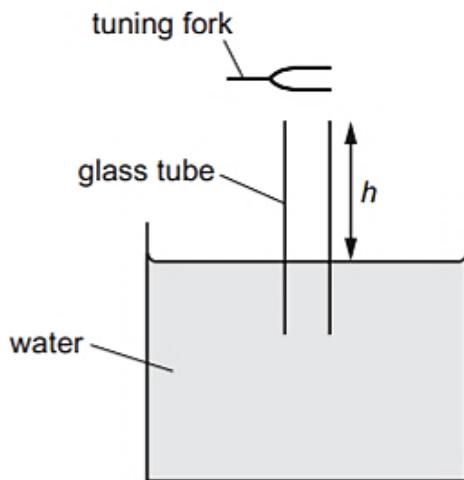


A long glass tube is almost completely immersed in a large tank of water. A tuning fork is struck and held just above the open end of the tube as it is slowly raised. A louder sound is first heard when the height h of the end of the tube above the water is 18.8 cm. A louder sound is next heard when h is 56.4 cm. The speed of sound in air is 330 m s^{-1} .



What is the frequency of the sound produced by the tuning fork?

A

220 Hz

B

440 Hz

C

660 Hz

D

880 Hz