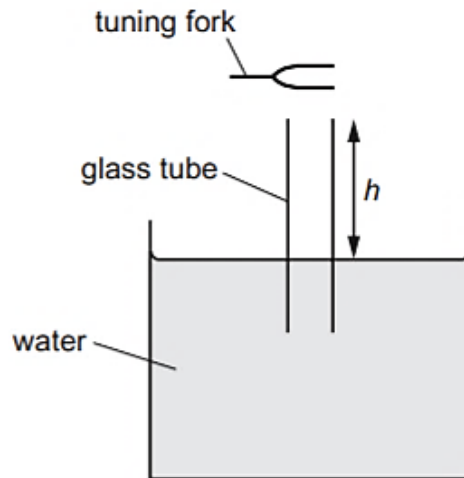


A long glass tube is almost completely immersed in a large tank of water. A tuning fork is struck and held just above the open end of the tube as it is slowly raised. A louder sound is first heard when the height h of the end of the tube above the water is 18.8 cm. A louder sound is next heard when h 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 | |