22 A tuning fork is made to vibrate above a tube filled with water. The water is allowed to run out of the tube.
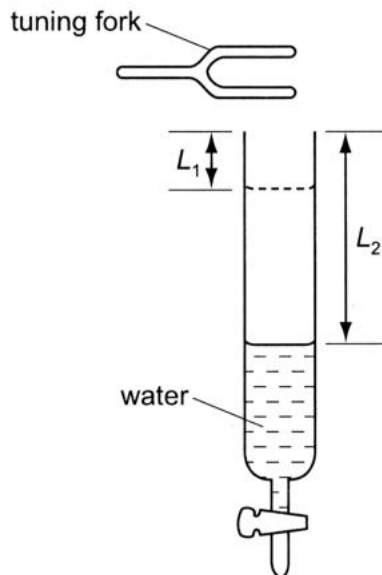

tuning fork

L_1

L_2

water

A loud sound is heard when the length of the air column is L_1 and again when the length is L_2.

What is the wavelength of the sound in the tube?

A $2L_1$ 　　　　　**B** $L_2 - L_1$ 　　　　　**C** $2(L_2 - L_1)$ 　　　　**D** $2L_2$