

- 16** A vibrating tuning fork of frequency 660 Hz is placed at one end of an open tube of length 2.00 m causing a stationary wave in the tube. The speed of sound in the air in the tube is 330 m s^{-1} .

The tube is extended until the next stationary wave is set up in the tube.

What is the new length of the tube?

- A** 2.25 m **B** 2.50 m **C** 3.00 m **D** 4.00 m