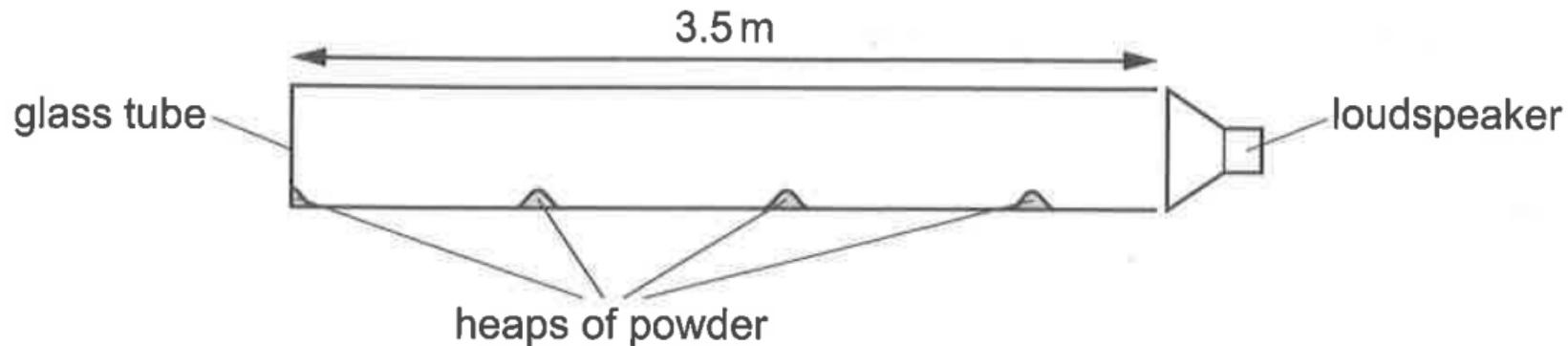


- 18 A glass tube is closed at one end and has a loudspeaker at the other end. Along the bottom of the tube is a fine powder.

The loudspeaker emits a sound and a stationary wave is formed. This causes the powder to collect in four small heaps at the bottom of the tube as shown.



What is the wavelength of the sound?

A 1.0 m

B 2.0 m

C 3.0 m

D 4.0 m

- 19 The graph shows a progressive wave of period  $T$  and amplitude 4 at time  $t = 0$ .