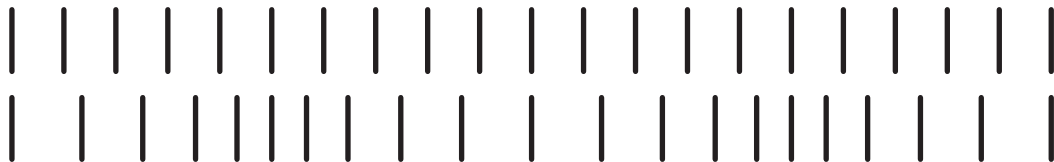


**23** The top row of bars represents a set of particles inside the Earth and at rest.

The lower row represents the same particles at one instant as a longitudinal wave passes from left to right through the Earth.



What should be measured to determine the amplitude of the oscillations of the particles in the lower row as the wave passes?

- A** half the maximum displacement of the particles from their position at rest
- B** half the maximum distance apart of the particles
- C** the maximum displacement of the particles from their position at rest
- D** the maximum distance apart of the particles

**24** A straight tube is closed at both ends. The air inside the tube is at rest. The tube is then set into oscillation. The air particles in the tube oscillate. The