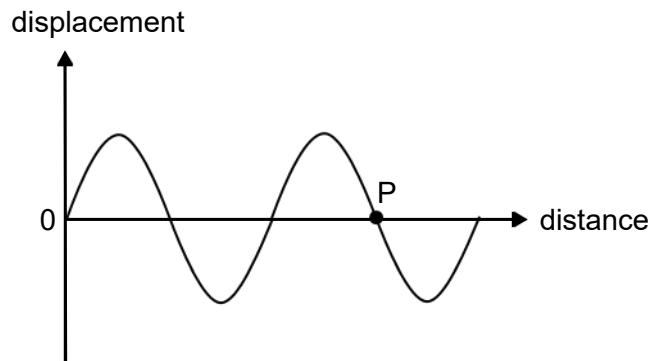


- 17 A sound wave travels through air. The graph shows the variation with distance along the sound wave of the displacement of the air molecules at a certain time.



Taking the displacement towards the right as positive, which statement about the wave at P is correct?

- A P is a point of compression.
- B The air particle at P is moving towards the right.
- C The air particle at P has minimum kinetic energy.
- D The air particle at P is experiencing maximum acceleration.