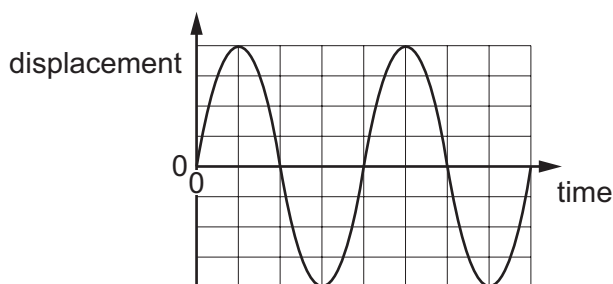


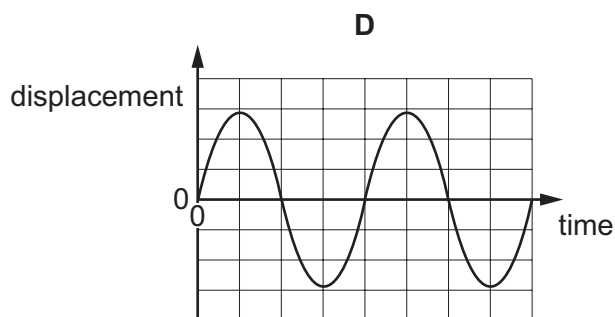
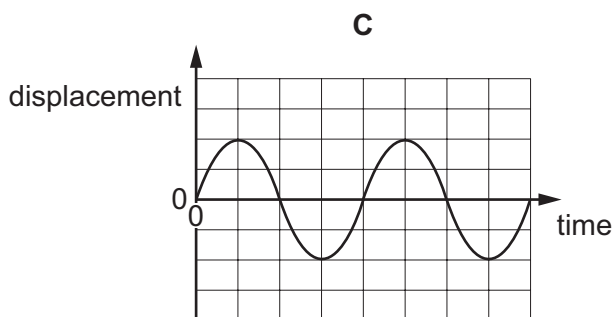
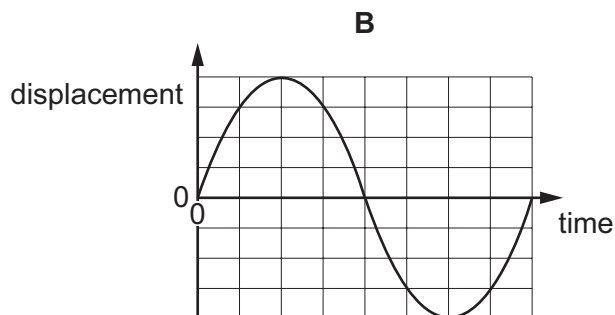
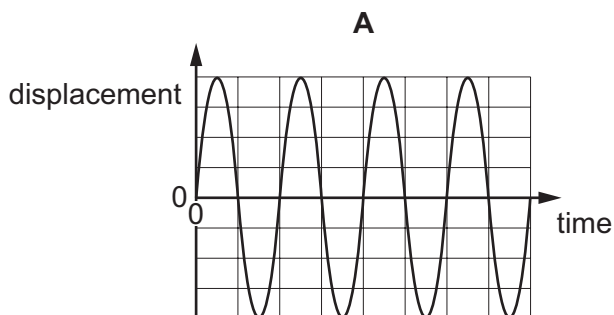
- 22** The graph shows the variation of the displacement of an air particle with time as a sound wave passes through air.



The intensity of the sound is halved while the frequency remains constant.

The four graphs below are drawn to the same scale as the graph above.

Which graph shows the displacement of the air particle?



- 23** Which statement is correct?

- A** Gases cannot transmit longitudinal waves.
- B** Longitudinal sound waves cannot form stationary waves.
- C** Solids can transmit both transverse and longitudinal waves.
- D** Transverse waves cannot pass through a vacuum.