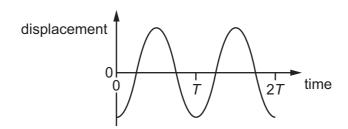
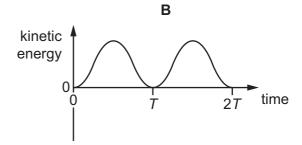
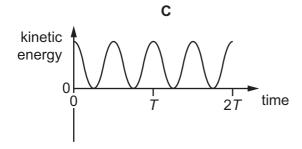
**22** When sound travels through air, the air particles vibrate. A graph of displacement against time for a single air particle is shown.

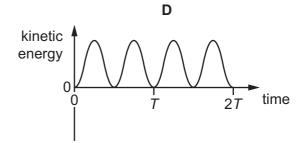


Which graph best shows how the kinetic energy of the air particle varies with time?

kinetic energy 0 7 2T time







- 23 Which wave is a longitudinal wave?
  - A a light wave travelling through air
  - **B** a radio wave from a broadcasting station
  - **C** a ripple on the surface of water
  - **D** a sound wave travelling through air