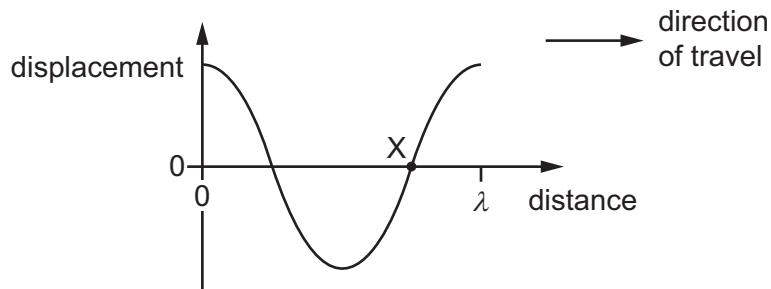


21 A transverse wave on a rope has wavelength λ and period T .

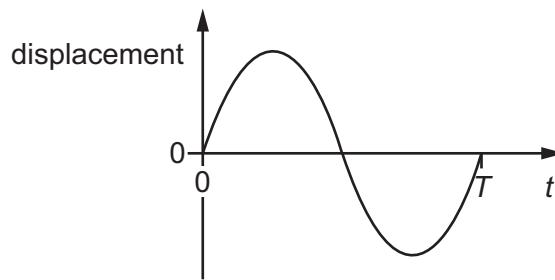
The graph shows the variation of the displacement of the particles of the rope with distance in the direction of travel of the wave at time $t = 0$.



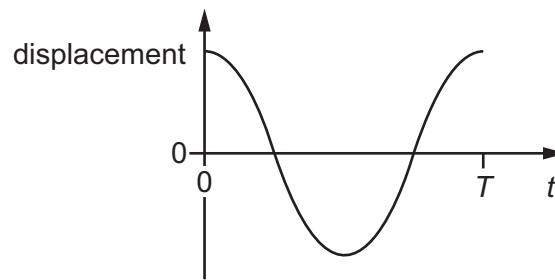
A particle X is labelled.

Which graph shows the variation of the displacement of particle X with time t ?

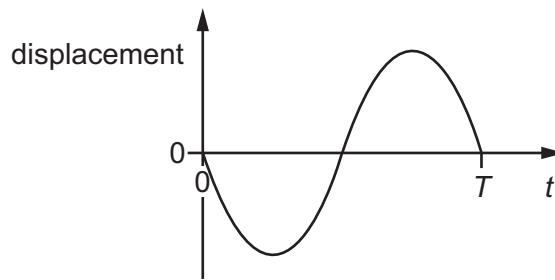
A



B



C



D

