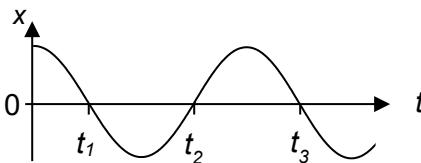
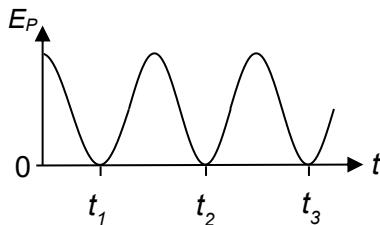


- 10 The oscillations of a mass suspended on a spring are simple harmonic. The variation with time t of the displacement x of the mass is shown.

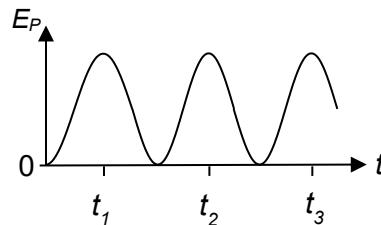


Which graph shows the variation with time t of the potential energy of the oscillation E_P of the mass?

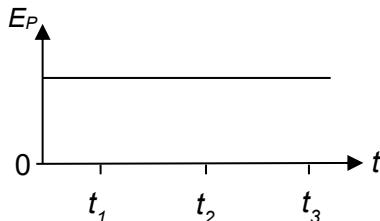
A



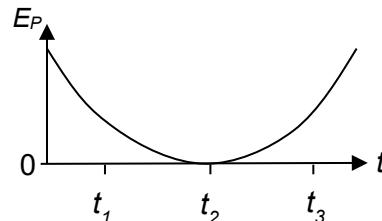
B



C



D



- 11 A student is investigating the frequency of a sound wave by using a microphone connected