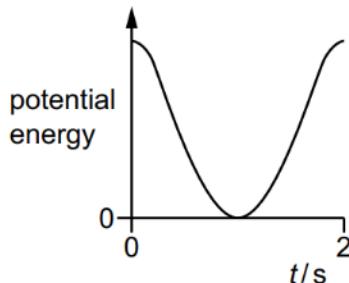
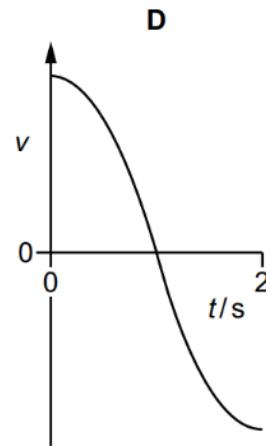
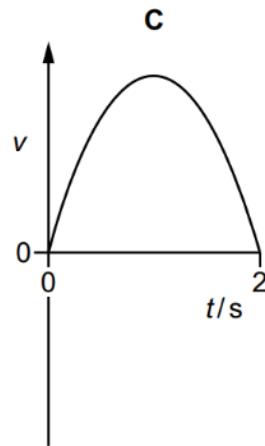
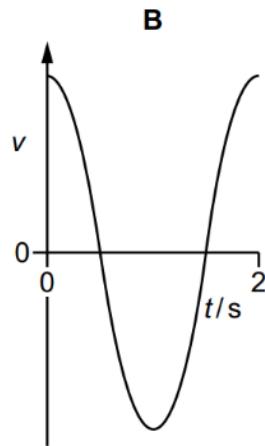
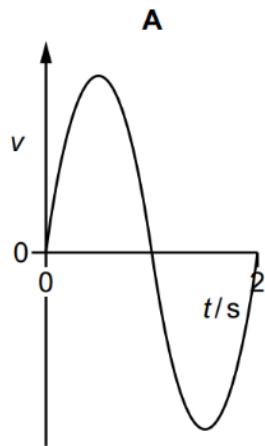


- 16 A particle oscillates with simple harmonic motion. The graph shows the variation, with time t , of the potential energy of the particle from $t = 0$ to $t = 2$ s.



Which graph could represent the variation, with time t , of the velocity v of the particle from $t = 0$ to $t = 2$ s?



- 17 Two monoatomic ideal gases X and Y are mixed together in a sealed container. The molar mass