5 A car is driven along an uneven road. This forces the car into vertical oscillations. Over time, the energy of oscillation of the car increases by a factor of 4.

The amplitude of oscillation increases by a factor of

☒ **A** $\dfrac{1}{4}$

☒ **B** $\dfrac{1}{2}$

☒ **C** 2

☒ **D** 4

(Total for Question 5 = 1 mark)