

- 2 A mass is hung from a spring and set into vertical oscillation. The mass is then changed so that the frequency of oscillation doubles. The amplitude of the oscillation is unchanged.

Which of the following quantities is also doubled?

- ☐ A the maximum acceleration of the mass
- ☐ B the maximum kinetic energy of the mass
- ☐ C the maximum velocity of the mass
- ☐ D the period of the oscillation

(Total for Question 2 = 1 mark)