

- 10** A mass of 0.20 kg undergoing simple harmonic motion has a total energy of  $4.0 \times 10^{-3}$  J and amplitude of 0.050 m.

What is the period of the motion of the mass?

- A** 0.39 s                      **B** 1.6 s                      **C** 4.0 s                      **D** 7.9 s