

- 15** A simple harmonic oscillator has an amplitude of 40.0 mm and a frequency of 120 Hz.

What is the maximum magnitude of acceleration and the maximum speed?

	Maximum acceleration / m s⁻²	Maximum speed / m s⁻¹
A	1.14×10^4	30.1
B	1.14×10^4	15.1
C	2.27×10^4	30.1
D	2.27×10^4	15.1