

- 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
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| 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 |