**Waves and SHM: Wave Properties**

/5

**Make sure to INCLUDE UNITS!**

1. A musical note has a frequency of 512 Hz. If the wavelength of the note is 0.685 m:
	1. What is the period of vibration for the note?
	2. What is the speed of the sound of that note?
2. A mass suspended vertically from a spring oscillates with a frequency of 2.3Hz. The amplitude of oscillations is 10.2cm. What is total distance traveled, in m’s, by the mass in 5.0s?

**Answers**:

1. A musical note has a frequency of 512 Hz. If the wavelength of the note is 0.685 m:
	1. What is the period of vibration for the note?







* 1. What is the speed of the sound of that note?





1. A mass suspended vertically from a spring oscillates with a frequency of 2.3Hz. The amplitude of oscillations is 10.2cm. What is total distance traveled, in m’s, by the mass in 5.0s?

