

Name _____ Period _____

Sound Worksheet

1. What is the speed of sound when the temperature of the air is 15°C ? **339 m/s**
2. How many meters will sound travel in 2.5 seconds when the temperature of the air is 0°C ? **825m**
3. How many meters will sound travel in 2.5 s when the temperature of the air is 25°C ? **863 m**
4. At 0°C , how far is the wall if it takes 4.4 s to hear the echo of your voice? **726 m**
5. How many seconds will it take to hear an echo if the wall is 400 m away and the air temperature is 20°C ?
2.3 s

6. A wave has a velocity of 120 m/s and its wavelength is 1.5 m. What is the wave frequency? **80 Hz**
7. A wave has a frequency of 180 Hz and a wavelength of 0.5 m. What is the velocity of the wave? **90 m/s**
8. A wave travels 2592 m in 6 s with a frequency of 288 Hz. Find its wavelength. **1.5 m**
9. A wave travels 700 m in 5 s with a wavelength of 0.5 m. Find its frequency. **280 Hz**
10. How far will a wave travel in 8 s if its wavelength is 1.25 m and its frequency is 60 Hz? **600 m**