## Measuring the Speed of Sound Data Sheet

Group members:		
Date:, Temperature:, Barometric pressure:,		
Field data from location #1  Distance from wall ?	Field data from location #2  Distance from wall ?	Field data from location #3  Distance from wall ?
Analysis of audio file.  Time of 1 <sup>st</sup> sound Echo of 1 <sup>st</sup> sound Difference  Time of 2 <sup>nd</sup> sound Echo of 2 <sup>nd</sup> sound Difference  Time of 3 <sup>rd</sup> sound Echo of 3 <sup>rd</sup> sound Echo of 3 <sup>rd</sup> sound Difference	Analysis of audio file.  Time of 1 <sup>st</sup> sound Echo of 1 <sup>st</sup> sound Difference  Time of 2 <sup>nd</sup> sound Echo of 2 <sup>nd</sup> sound Difference  Time of 3 <sup>rd</sup> sound Echo of 3 <sup>rd</sup> sound Echo of 3 <sup>rd</sup> sound Difference	Analysis of audio file.  Time of 1 <sup>st</sup> sound Echo of 1 <sup>st</sup> sound Difference  Time of 2 <sup>nd</sup> sound Echo of 2 <sup>nd</sup> sound Difference  Time of 3 <sup>rd</sup> sound Echo of 3 <sup>rd</sup> sound Echo of 3 <sup>rd</sup> sound Difference
Speed of sound is equal to distance from wall times two divided by the average time difference between the main sound and the echo.  Rate = 2 x Distance / Time  Speed of Sound: Location #1	Speed of sound is equal to distance from wall times two divided by the average time difference between the main sound and the echo.  Rate = 2 x Distance / Time  Speed of Sound: Location #1	Speed of sound is equal to distance from wall times two divided by the average time difference between the main sound and the echo.  Rate = 2 x Distance / Time  Speed of Sound: Location #1
	·	