

1. **Introduction**
 This report discusses the results of the experiment conducted on the 10th of October 2023. The purpose of the experiment was to determine the relationship between the frequency of a sound wave and the wavelength of the wave. The experiment was conducted using a sound wave generator and a microphone. The frequency of the sound wave was varied, and the wavelength was measured. The results show that the wavelength of the sound wave is inversely proportional to the frequency of the sound wave.

2. **Theory**
 The relationship between the frequency of a sound wave and the wavelength of the wave is given by the equation:

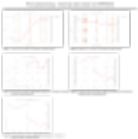
$$v = f \lambda$$
 where v is the speed of sound, f is the frequency, and λ is the wavelength. The speed of sound is constant for a given medium and temperature. Therefore, the wavelength of the sound wave is inversely proportional to the frequency of the sound wave.

Frequency (Hz)	Wavelength (m)
100	3.4
200	1.7
300	1.13
400	0.85
500	0.68
600	0.57
700	0.49
800	0.43
900	0.38
1000	0.34



STATISTICAL ANALYSIS







QUESTION 1



QUESTION 2



QUESTION 3



QUESTION 4



QUESTION 5



Chart Types



Navigation



Navigation



Navigation



Navigation



Navigation



Navigation



Navigation



Navigation



Navigation

Business Analytics



Business Analytics



Date	Description
1/1/2020	Initial deposit of \$10,000.00
1/15/2020	Interest earned \$100.00
2/1/2020	Withdrawal of \$5,000.00
2/15/2020	Interest earned \$100.00
3/1/2020	Deposit of \$3,000.00
3/15/2020	Interest earned \$100.00
4/1/2020	Total balance \$8,200.00