Here is this week's homework:

Research the following:

1. Who is Robert Boyle and what what his contribution to the science of sound? Write a short informational report on him and be sure to include any pictures of his experiments or equipment he used.
2. What is an oscilloscope? What does it do? Who might use an oscilloscope and why? Who invented the oscilloscope and when? Write the answers to these questions in your science notebooks.

View the following video: https://youtu.be/bHN4rzO-g7g
Then, answer the following questions:

1. What are acoustics? How are they involved with sound?
2. What devices use sound and how do they use sound waves?
3. What animals use sound waves and how do they use them?

Go to the following link :
https://exploresound.org/explore-sound-home/acoustics-for-k-12/acoustics-activities/acoustic-simulators/spectrogram-lab/

Complete the lab and answer the following questions:

1. What is a spectrogram?How is it used with sound?
2. Write down what you observe and experience during the lab. Be sure to all the steps and answer all the questions in steps 1-8.