

## Note Taking Guide - Episode 1201 - Part 1

- Sound waves are produced by
- Sound waves are \_\_\_\_\_, \_\_\_\_\_ waves

Sound frequency:

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notes on uses of ultrasonic waves-

Sound velocity:

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- v equations: \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_

At sea level, the speed of sound is 340 m/s or \_\_\_\_\_ mi/h. This is called \_\_\_\_\_.

Ex. Problems:

What is the speed of sound at room temperature (22°C)?

How many seconds will it take to hear an echo if you yell toward a mountain 110 m away on a day when air T is -6.0 °C?

Problem Set #1: (on back)