

## Note Taking Guide - Episode 1201 - Part 2

Doppler Effect:

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Examples/Uses -

*Sketch dog (as a large dot) and water waves in each situation below:*

Dog paddles while remaining still.

Dog moves to right.

Dog moves at same speed as water waves.

When a plane moves as fast as the sound waves it produces, \_\_\_\_\_ interference occurs and a wall of \_\_\_\_\_ pressure air forms in front of the plane. This wall is called the \_\_\_\_\_ barrier.

A \_\_\_\_\_ boom is a cone of compressed \_\_\_\_\_ that trails behind a supersonic plane.

*Sketch the overlapping sound waves following the plane.*

Show What You Know (*on back*)