

## **Lab #7A – Sound Velocity**

### ***Important Announcement***

If you missed a lab and wish to take a makeup lab, you must arrange that as soon as possible. Even if you previously requested a makeup lab, you should confirm this request now. Students may only do one makeup lab. These are offered from 9:00 AM - 12:00 PM on the first Reading Day before Final Exams. The finished worksheets/reports are due by 6:00 PM of that same day on Canvas. These labs will be supervised by someone who may not be your regular TA.

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***There are four setups for Lab#7A and four for Lab #7B in each room. You will switch experiments 90 minutes into the period.***

For Lab #7, there is no report and the worksheet should be completed during the lab period and uploaded to Canvas by the end of lab. Hand the notebook carbons to your TA **before you leave the lab** and you are finished with physics lab for the semester. The worksheet for Labs 7A & 7B will be graded as a single entity, worth 30 points total.

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## **ANNOUNCEMENTS FOR VELOCITY OF SOUND IN AIR LAB**

Note in the picture below that the microphone is positioned right up against the end of the tube. There are several noise-makers available in the lab, including toy clickers, bottle caps (*their tops make a snapping sound when flexed*), pieces of metal and wood, a tuning fork and the metal spheres shown in the picture below. However, we have found that a snap of your fingers often works best.

