

Balloon Speakers

Need:

- Balloons - Water Balloon
- Medium Balloon
- Large Balloon



How to:

Make your predictions in the chart
Blow up your 3 Balloons and test

Predication:

Balloon	Can you hear your finger tap?	Rank : Best to Least	Can you feel the vibrations?	Rank : Best to Least
Small				
Medium				
Large				

How to test:

Test them by holding the balloon's, one at a time, up to you ear and lightly tapping on the other side of the balloon with your finger

How well can you hear your finger tap?

Can you feel the vibration of sound of your finger tap?

Record your answers in the chat

Results:



Balloon	Can you hear your finger tap?	Rank : Best to Least	Can you feel the vibrations?	Rank : Best to Least
Small				
Medium				
Large				

Analyze your results



Conclusion

The best sized balloon to hear the finger tap was _____
The best sized balloon to feel the vibration was _____

How it works:

When you blow air into the balloon, the air that is 'pushed' into the balloon is more compact than normal air. The air molecules are forced together in a small area inside the balloon, this means the air molecules are closer together. The reason you can hear the tapping so well threw the balloon is because air molecules carry sound waves better when they are closer together
Inside the balloon the air molecules are closer together than the air around you allowing for better sound waves.

