

Alan Pence, Jr.
Cone You Hear Me Now?

The purpose of this science experiment is to determine if a speaker cone can really be made out of something like a paper or foam plate and actually work. The experiment will also determine which kind of these cones sounds the best. Since there are two different kinds of materials being used and each is biodegradable, inexpensive and eco-friendly the results might help to find a new way to make speakers.

There are many parts to a speaker with each part being just as important as the other. All the parts must work together to complete the speaker so that sound can be heard through the speaker. The cone is the part of the speaker that projects sound and is what is being tested in this experiment. Two speaker cones were built, one using a foam plate and one using a paper plate. Each homemade speaker was then hooked up to a radio and the OHMs coming from each speaker were measured.

The results of the experiment showed that the speaker cone that was built with the paper plate had less OHMs than the speaker cone that was built with the foam plate and since there were less OHMs with the paper plate cone there was less resistance and better sound quality.