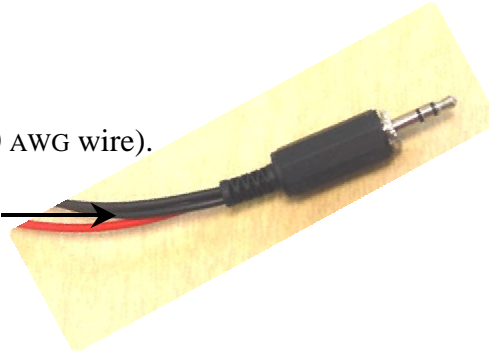


Make a simple speaker.

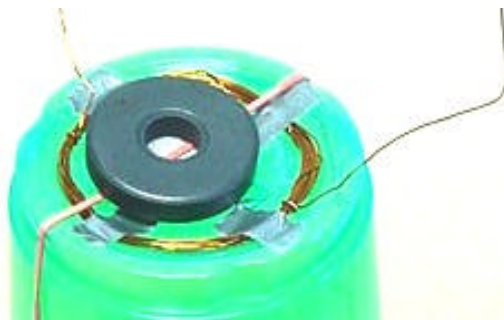
What you need:

- A magnet.
- Magnet wire (1 to 2 meters of enameled 30 AWG wire).
- 16 oz plastic cup.
- 1/8 inch mono headphone plug with leads.
- Large rubber band
- Gather this stuff to share in your group.
 - Duct tape, sand paper and Scissors



What to do:

- Scrape off the enamel from the ends of your wire.
- Make a coil out of the wire and tape it to the bottom of the cup.
- Connect the headphone plug leads to your coil of wire.
- Plug headphone in and listen to open end of cup while you hold the magnet near to the end of the cup and coil. NOTE: you may have to increase the stereo volume quite a bit to hear well.
- You can use the rubber band to hold the magnet in that position.



Challenge:

- How could you make a louder speaker?