

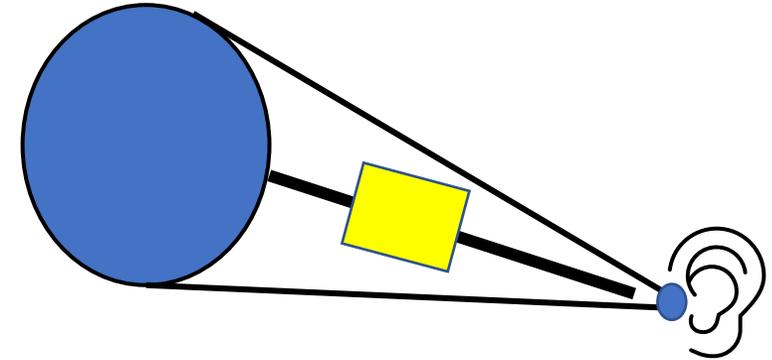
# How does your ear hear?

## What you need:

- Scissors
- Paper
- Sellotape
- Pencil

## What you do:

- Draw a large semi-circle on a piece of paper. You could use a large plate as a template.
- Roll the paper into a cone shape and hold in place using tape. Make sure there is a small hole at the 'pointy' end.
- Put the cone to your ear and listen to different sounds with and then without the ear trumpet. Try to listen to quiet sounds like a clock ticking or the fridge humming.
- Can you hear better with or without it?



## The Science

**Sound waves travel through the air before entering your ear. The ear trumpet gathers the sound waves and funnels them into your ear. The trumpet is bigger than your ear so it gathers more waves, that is why you hear better with the trumpet.**

