



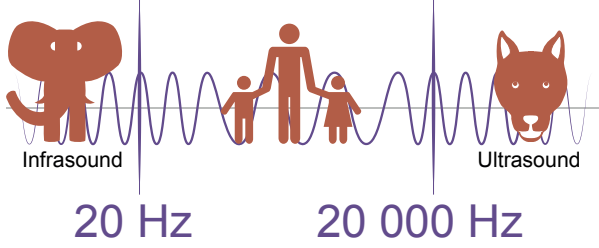
What is noise?

« A combination of discordant sounds » (Translation of Larousse definition)

NOISE IS A MIXTURE OF SOUNDS CHARACTERIZED

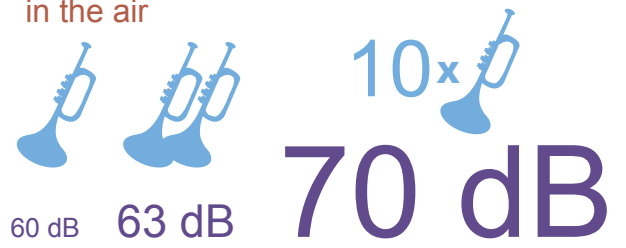
By a frequency Hz

Number of vibrations per second

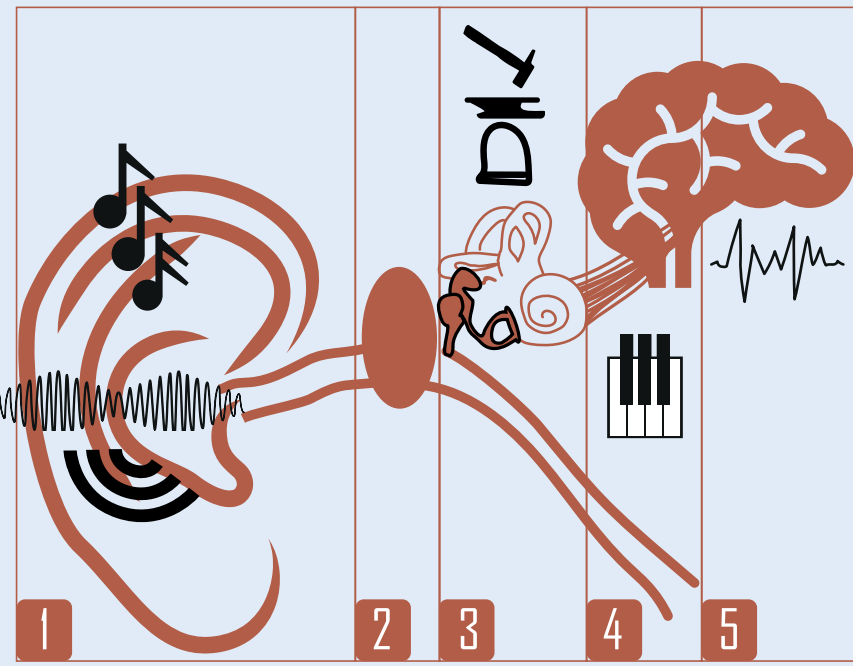


By its level dB

Pressure exerted on the ear by vibrations in the air



HOW DO WE HEAR?



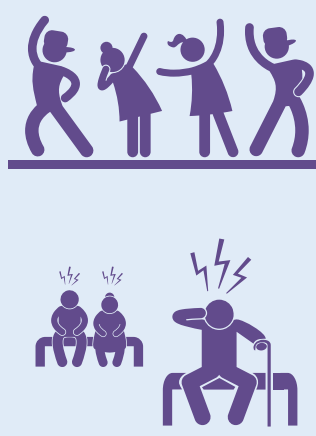
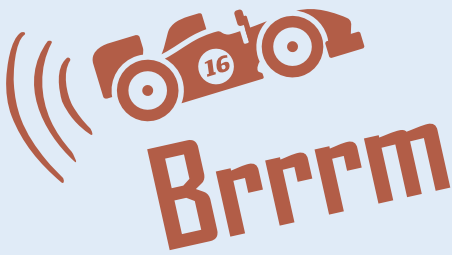
- 1 The sound vibrations are funneled towards the eardrum by the external auditory canal.
- 2 Sound waves cause the eardrum to vibrate.
- 3 The chain of ossicles (hammer, anvil and stirrup) amplifies the vibrations and transmits them to the inner ear.
- 4 The movement of liquid in the inner ear mobilizes the hair cells, which are nerve endings that can be compared to the keys of a piano.
- 5 The hair cells transform the sound waves into electrical pulses.

SOUND PERCEPTION THEREFORE VARIES DEPENDING ON

Time



Place



Each individual person

NOISE SCALE

