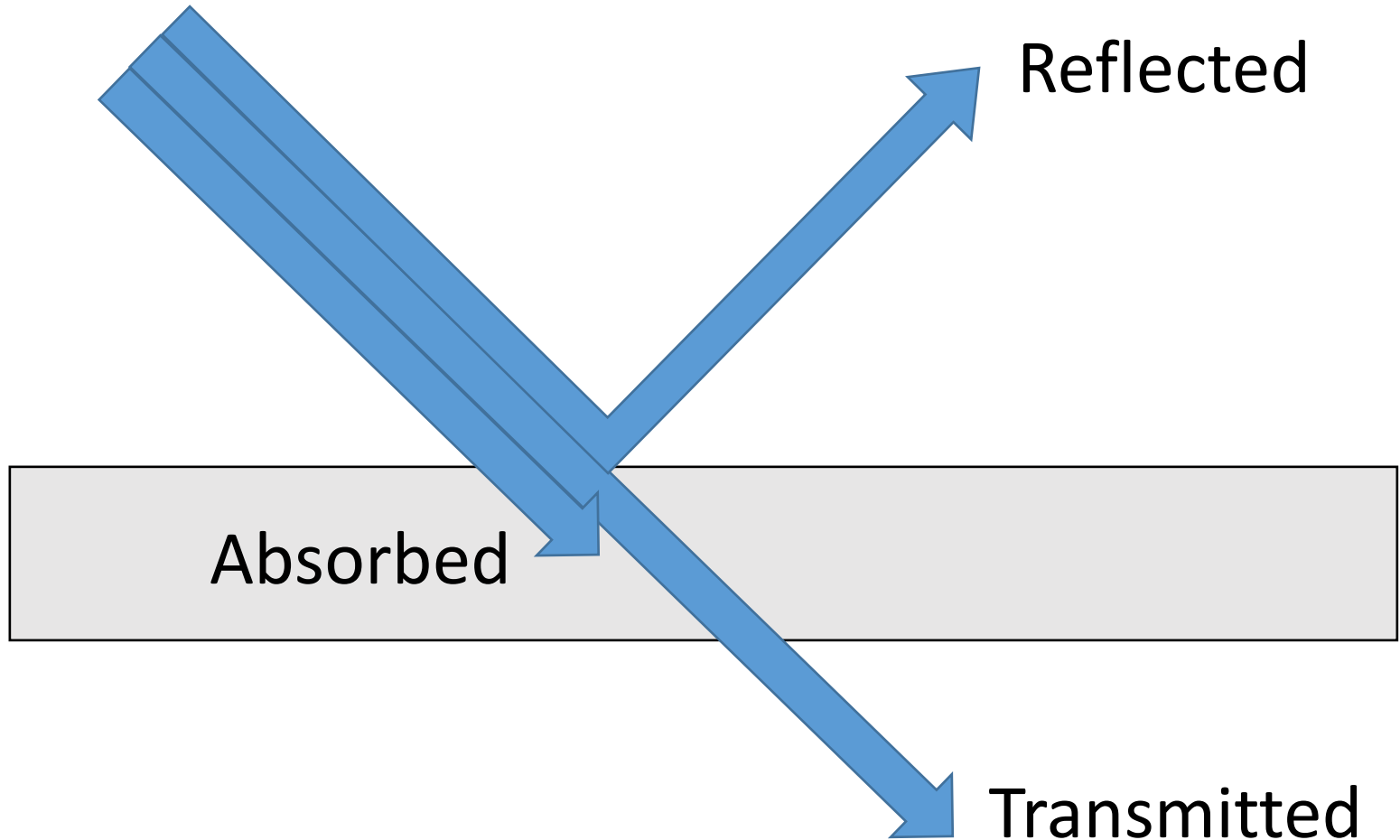


Block That Noise!

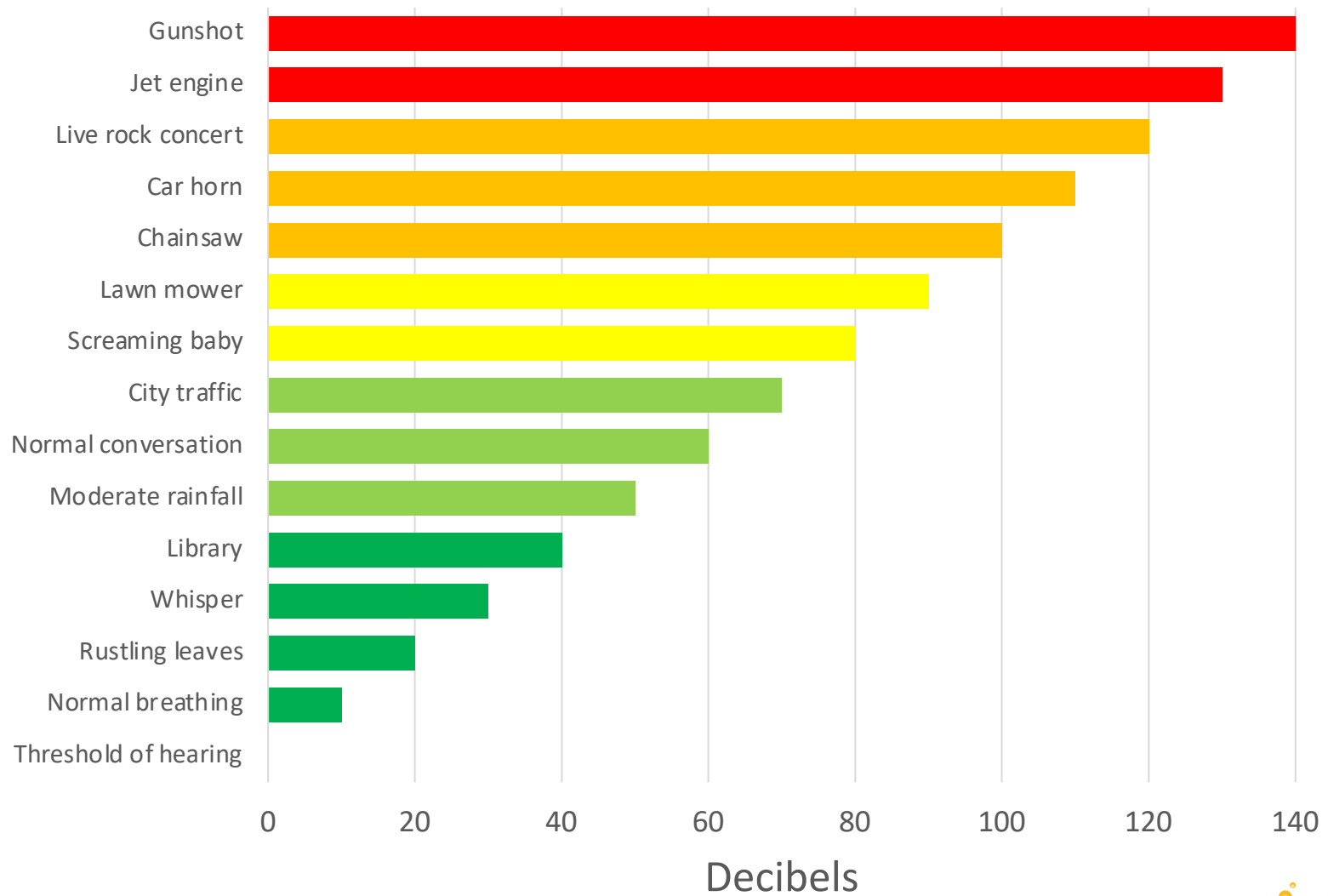


Sound waves

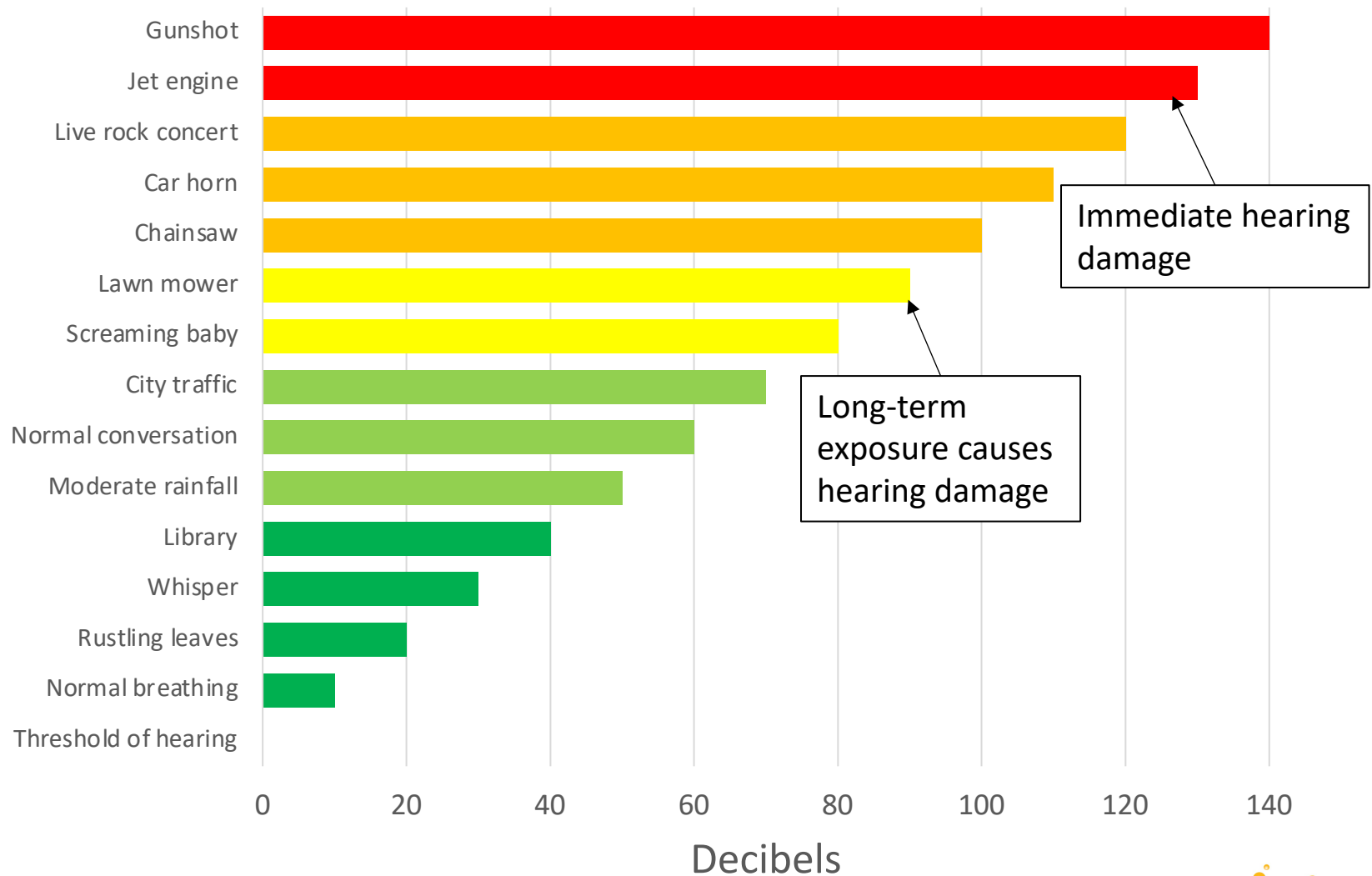


Sound levels are measured in
decibels (abbreviated dB)

Decibel levels of common sounds



Decibel levels of common sounds

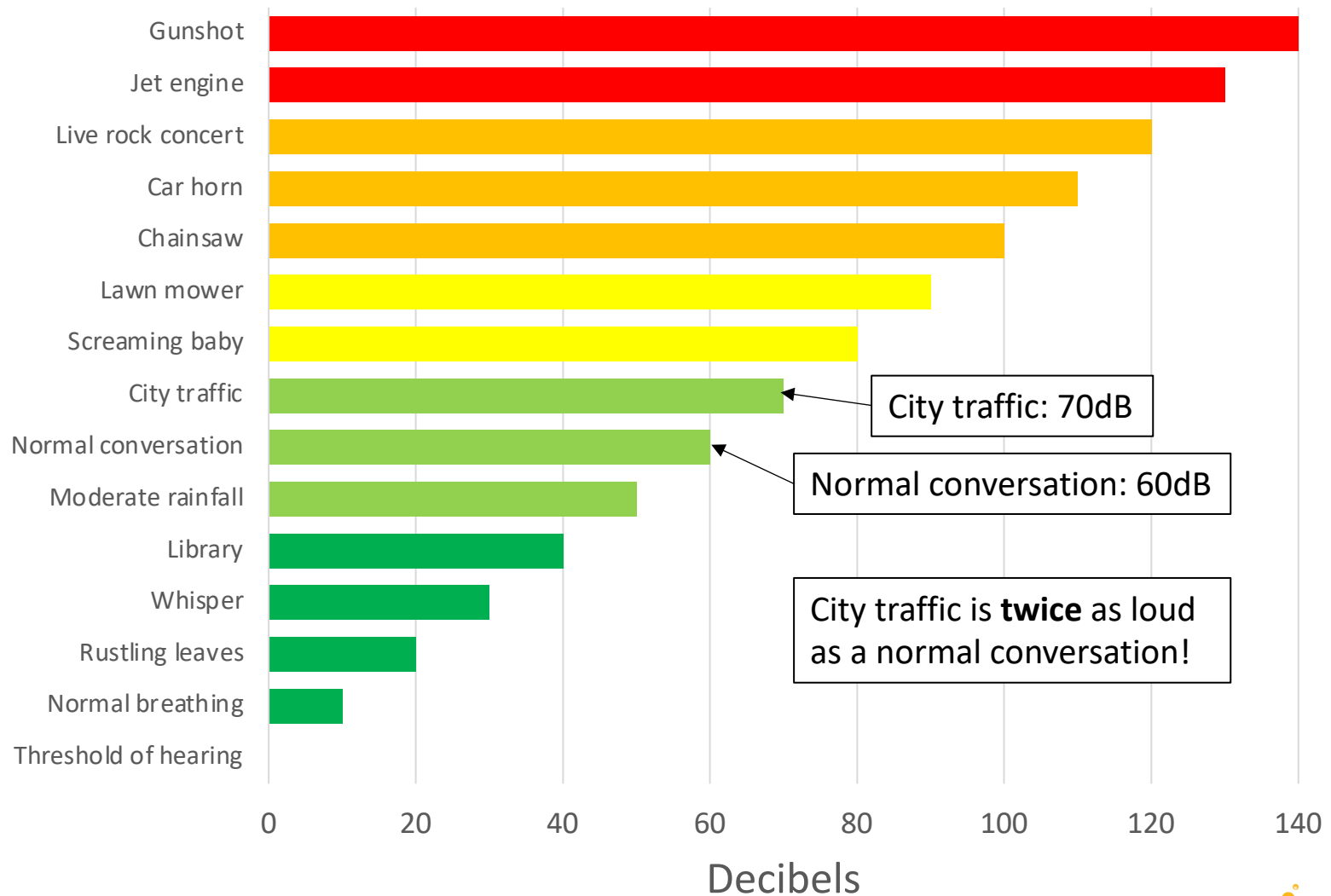


Decibels are a **non-linear** scale.
What does that mean?

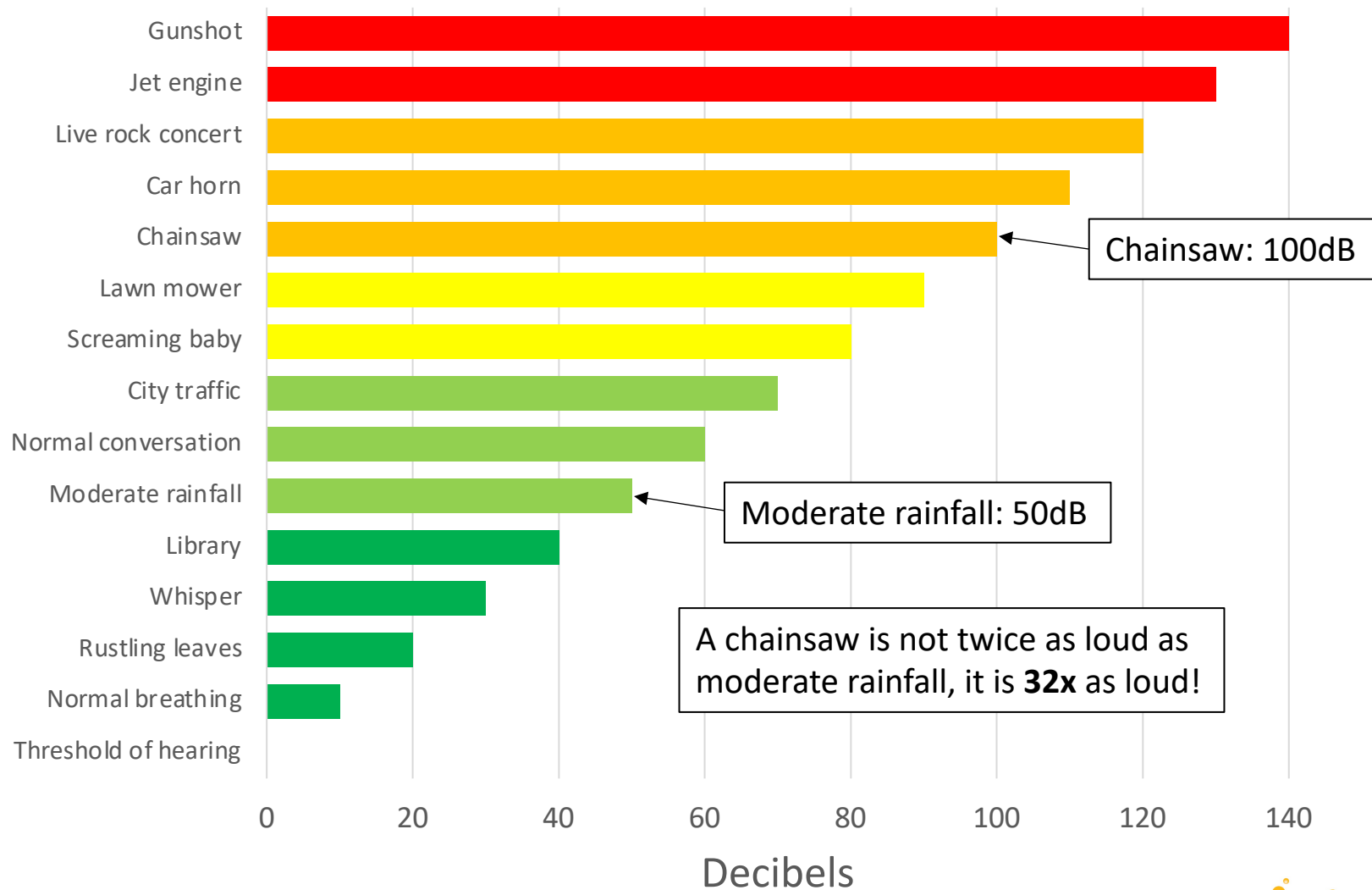
A change of +10dB means the sound is **twice** as loud.

Sound confusing? Don't worry,
let's look at the graph again.

Decibel levels of common sounds

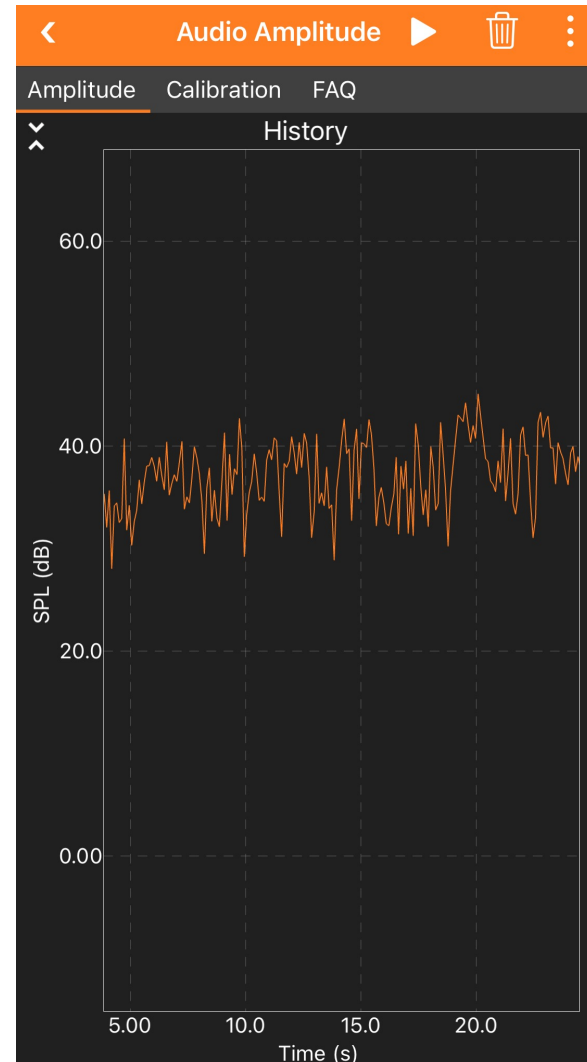


Decibel levels of common sounds



Sensor app

- Sensor apps such as phyphox can measure sound levels in decibels using your phone's microphone



Your Challenge

- Design and build a sound-insulating container
- Try to get the decibel value as low as possible

