

THE SOUND AND ITS QUALITIES

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SOUND

DEFINITION
It's the sensation that is produced in the brain when the ear receives **SOUND WAVES**

IT IS PERCEIVED BY MEANS OF

IT IS DIFFERENT DEPENDING ON ITS

IT CAN BE

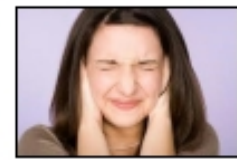
EAR

QUALITIES

NOISE

NOISE POLLUTION

Its vibrations are irregular



PITCH

DURATION

INTENSITY

TIMBRE



High
Low

Long
Short

Loud
Soft

It depends on the **FREQUENCY** of the vibrations

Its measure is the **HERTZ (Hz)** or number of vibrations per second

The **DIAPASON** is used for tuning.

In music it is related to the **NOTES (A-B-C-D-E-F-G)**

It depends on the **LENGTH** of the vibrations.

The **METRONOME** is used for beating precise durations.

In music it is related to the **NOTES** and the **TEMPO**

It depends on the **AMPLITUDE** of the vibrations.

Its measure is the **DECIBEL**

In music it is related to the **DINAMIC MARKINGS**

Different instruments and voices

It depends on the **HARMONICS** combination

The different timbres are basic in the **MUSICAL COMPOSITION**