

SOUND WAVES AND THE DECIBEL SCALE

Complete this concept review handout and keep it as a record of what you have learned.

DEFINITIONS

- Sound is _____

- The decibel scale is _____

CHARACTERISTICS OF SOUND

- The speed of sound varies _____
In the air, the speed of sound is _____
- The intensity of sound depends on _____ of the sound wave.
The intensity of sound is measured in _____
- Sound tones correspond to the _____, which is measured in _____

THE DECIBEL SCALE

Intensity (dB)	How much louder than 0 dB	Example	Hearing damage
20	100	Murmur (2 m away)	None
40	_____	_____	_____
70	_____	_____	_____
110	_____	_____	_____
120	_____	_____	_____