

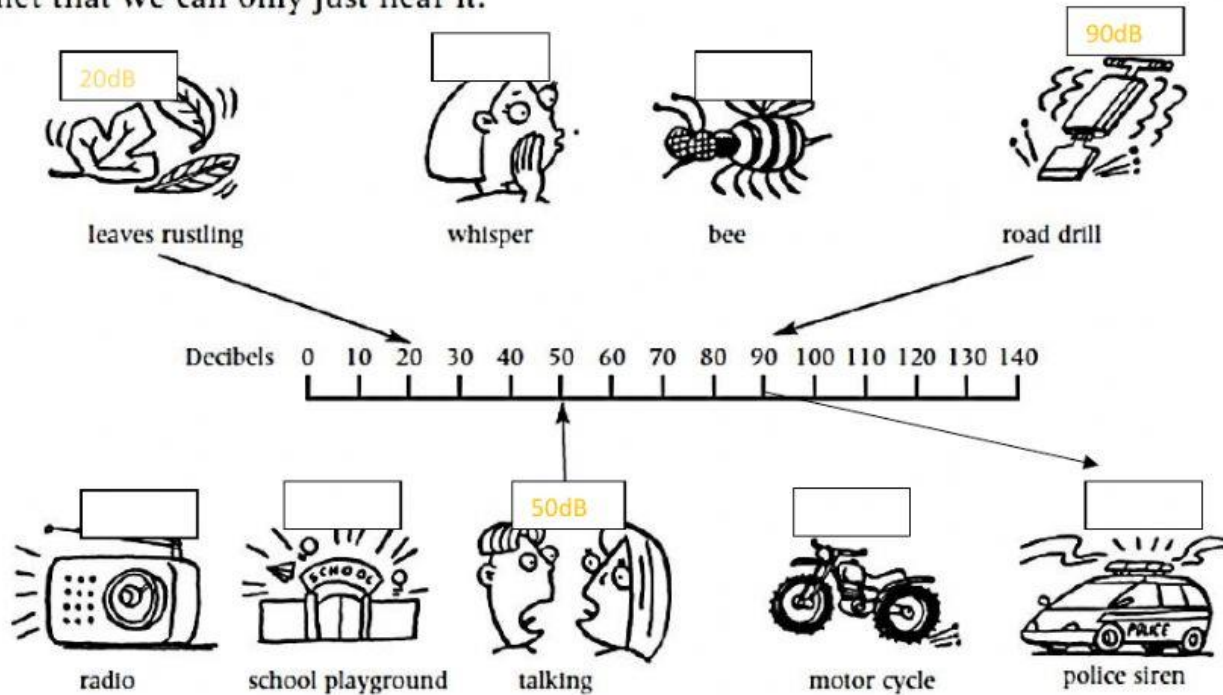


## Year 4 Science -Term 3 Week 7 Lesson 2

LO: Measuring the volume with sound in decibels (dB).

### NOISE

The loudness of a sound is measured in **decibels (dB)**. A sound which is 0 dB is so quiet that we can only just hear it.



1. Look at the pictures above showing different sounds. In the box below each picture, select ONE possible value from the decibel scale above that would represent the loudness of the sound in the picture.

2 Fill in the gaps in these sentences using words from the box below or information from the pictures above.

The units for measuring the loudness of a sound are \_\_\_\_\_. We cannot hear any sounds quieter than \_\_\_\_\_ dB.

When leaves rustle, they have a loudness of \_\_\_\_\_ dB. People usually talk with a loudness of \_\_\_\_\_ dB.

Loud noises can \_\_\_\_\_ our ears and make us deaf. A very loud noise can break the \_\_\_\_\_. The cochlea can also be damaged by \_\_\_\_\_ noise.

There are laws to protect people who work in noisy \_\_\_\_\_. The loudest sound allowed is 90 dB. This is the same loudness as a \_\_\_\_\_ and \_\_\_\_\_.

damage	decibels	eardrum	factories	loud	50dB
0 dB	police sirens	road drill	20dB		