

## SOUND and NOISE

All objects around us make different sounds. We hear these sounds with the help of our ears. Some sounds are pleasant to hear whereas other sounds may seem unpleasant.

Sounds around us:

From the moment we wake up in the morning till the time we go to sleep, we hear a lot of different sound throughout the day. Every object around us makes a distinct sound. Some of these sounds make us feel happy and relaxed, whereas others may hurt our ears, if we listen to them for too long.



### Sounds made by Common Objects:

Many of us start our day waking up to the sound created by an alarm clock. Some of the sounds we hear every day are below:

- The tick-tock sound of a clock
- The whistling of a pressure cooker
- The whirling sound of a mixer
- The crying of a baby
- The buzzing of bees around a flower

### Sounds made by living beings:

#### Plants:

Plants not only react to sounds but even produce sounds.

For example (the roots of very young plants make “clicking” sounds. This sound cannot be heard by the human ear.

#### Animals:

Animals too make sounds to make their presence felt. Animals may use different sounds to

- alert others of danger

- to inform others about the location of food, what do animals do
- a dog barks
- a lion roars
- a duck quacks
- a bird chirps
- a snake hisses
- a bee buzzes

### Warning sounds:

They are loud sounds that are used to warn people about a danger or an emergency. These warning sounds are important as they alert people to either get out of the way or stay away from a place or situation that may put their lives in danger.

- Sounds made by a fire alarm
- Police siren
- Ambulance siren
- Fire engine siren



### KINDS OF SOUNDS

Sounds are of two types:

**Pleasant or Unpleasant**

#### Pleasant Sounds:

Any sound that we enjoy hearing and that makes us relaxed is a pleasant sound.

- Musical instruments make pleasant sounds when musicians play them.
- Sounds made by the waves on a beach
- Rustling sound made by leaves
- Sound of gently falling rain
- Gentle chirping of bird

## Pleasant sounds . 😊



### Unpleasant Sounds:

- Any sound that makes us feel uncomfortable irritated or cause a feeling of being unwell can be called an unpleasant sound.

Example:

- Honking of vehicles on the road
- Loud explosion
- Loud sounds of aircrafts
- Noise from factories and generators
- Loud music and loud speakers
- Firecrackers

An excessive amount of noise that affects the health of living organisms is referred to as Noise Pollution.



### **Harmful effects of noise pollution:**

Noise pollution can affect both health and behaviour of people. Constant exposure to sources of noise may lead to several ill effects on our health. They can cause

- Dizziness, headaches and ear aches
- Tiredness and stress
- Loss of sleep and loss of concentration
- Hypertension and even permanent loss of hearing.
- Irritation in animals, too

### Machines that make noise



### **Ways to reduce noise pollution:**

- We should take the following preventive measures to save ourselves from noise pollution
- Avoid using loudspeakers for too long and too loudly

- **Avoid unnecessary honking**
- **Building factories and airports away from cities**
- **Stop the use of firecrackers on any occasions**
- **Plant more trees around the house and neighbourhood ( trees help in absorbing noise)**

**Adopting these measures will help us to live a happy and healthy life.**

**Watch the video and try and follow with the notes. Write the notes in the science copy.**

**Draw, colour and label two things that cause noise pollution, two things that have Siren or warning sounds and two common sounds heard at home.**